MIDDLEBURY COLLEGE

Course Catalog

Supplement for 1982-83

Middlebury College complies with the 1964 Civil Rights Act, Title IX of the Educational Amendments of 1972, the IRS Anto-Bias regulation and Section 504 of the Rehabilitation Act of 1973. In so doing, Middlebury College does not discriminate against any individual on the basis of race, color, sex, religion, ethnic origin or handicap in any of its programs or activities. The Dean of the College, Old Chapel, Middlebury College, Middlebury, VT 05753 (Tel. 802–388–3711 ext. 2393) is responsible for coordinating the College's efforts to comply with sec. 504, Rehabilitation Act of 1973.

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HOW TO USE THIS SUPPLEMENT

As a guide to courses which will be offered at Middlebury College during the 1982-83 academic year, this supplement must be used in conjunction with the College's 1981-82 Registration Catalog. Some of the courses listed in that Catalog have been modified in one or more ways or have been dropped from next year's offerings, while some new courses which do not appear in the Catalog have been added.

This document lists every course in the 1981-82 Catalog, indicating whether the course is being offered again without change, offered again but modified in certain respects, omitted in 1982-83 or dropped completely from the curriculum. It also gives all details for the new courses introduced since the Catalog was published. When using this supplement, please keep the following in mind:

1. If a course is being offered again without change, only its title and the term it will be offered are listed.

2. If a course has been changed in some way, only its title and the changes (i.e., new instructor's name, new description, etc.) are listed here; all other information relating to the course is in the Catalog and students may assume that the other information still applies.

3. If a course is being omitted in 1982-83, its title is placed in brackets.

4. If a course has been dropped entirely from the curriculum, its title is followed by the word, "Deleted."

5. As in the Catalog, Foundations Courses are preceded by an asterisk (*) in department copy.

6. All faculty (excluding those people not yet hired) for the 1982-83 academic year are listed at the beginning of their department copy.

FOUNDATIONS COURSES FOR 1982-83

FOREIGN LANGUAGES DIVISION

(CL 115 INTRODUCTION TO GREEK ARCHAEOLOGY)
(CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES)
(CL 150 THE ANCIENT EPIC)
CL 216 HISTORY OF GREECE. Spring.
FL 201 INTRODUCTION TO LINGUISTICS. Fall.
(FL 251 LITERATURE AND REVOLUTION)
(#FL 252 THE ART OF CINEMA)
FL 266 VERSIONS OF THE FOREIGN. Fall.
FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST. Spring.
RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880). Fall.
RU 152 REVOLUTIONARY LITERATURE IN A REVOLUTIONARY SOCIETY: RUSSIAN MODERNISM (1880- Present). Spring.
SI 231 CAPTAINS, KINGS AND CAUDILLOS. Fall.
SI 290 DANTE: THE DIVINE COMEDY (IN ENGLISH). Fall.

HUMANITIES DIVISION

AL 101 THE AMERICAN CHARACTER IN LITERATURE. Fall, Spring.
AR 101 AN INTRODUCTION TO ART AND ART HISTORY. Fall.
EL 110 CONTINENTAL FICTION. Spring.
(EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN)
(EL 112 MYTHOLOGIES TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY)
(MU 101 INTRODUCTION TO MUSICAL STYLES)
MU 105 PERSPECTIVES OF MUSIC
(MU 109 RUDIMENTS OF THE MUSICAL LANGUAGE)
PA 102 THE GOOD AND THE TRUE. Fall.
PA 170 THE WAY TO REASON. Spring.
PA 180 INTRODUCTION TO MODERN LOGIC. Fall.
RE 105 INTRODUCTION TO THE ENGLISH BIBLE. Spring.
RE 110 INTRODUCTION TO WESTERN RELIGIOUS LIFE AND THOUGHT. Spring.
RE 115 INTRODUCTION TO EASTERN RELIGIOUS LIFE AND THOUGHT. Fall.
RE 220 THE SHAPING OF AMERICAN RELIGIOUS LIFE. Fall.
TH 116 THE CREATIVE PROCESS: THEATRE, DANCE, FILM. Fall, Spring.
TH 117 FILM FORM AND FILM SENSE. Fall, Spring.

NATURAL SCIENCES DIVISION

BI 100 EVOLUTION BY NATURAL SELECTION: HISTORICAL DEVELOPMENT AND CURRENT STATUS OF AN IDEA. Spring.
BI 125 INTRODUCTION TO BIOLOGICAL PRINCIPLES. Fall.
(CH 110 CHEMISTRY--THE FORMATIVE YEARS: 1800-1915)
GL 102 DYNAMIC EARTH. Spring.
GL 171 GLOBAL TECTONICS. Fall.
MA 103 INTRODUCTION TO COMPUTERS. Spring.
MA 105 FINITE MATHEMATICS: PROBABILITY, STATISTICS AND MATRICES. Fall.
(MA 107 FOUNDATIONS OF MATHEMATICS)
(MA 227 SET THEORY)
PH 101 THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT. Spring.
PH 155 INTRODUCTION TO THE UNIVERSE. Fall.

SOCIAL SCIENCES DIVISION

GG 100 GEOGRAPHY: A MODERN SYNTHESIS. Fall, Spring.
HI 103 TURNING POINTS IN EARLY MODERN HISTORY. Fall.
HI 104 MODERN REVOLUTIONS. Spring.
PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall.
PS 107 POLITICS AND THE STUDIES OF POLITICS. Spring.
SA 105 SOCIAL MAN AND SOCIAL ORDER: ISSUES IN FREEDOM AND CONSTRAINT. Fall, Spring.

#No student may take both FL 252 and TH 117 for Foundations Course credit.

INTERDEPARTMENTAL

ID 100 INTENSIVE FRESHMAN WRITING SEMINAR. Fall.

FRESHMAN WRITING PROGRAM

Courses remain the same with the following exceptions:

Mathematics
Delete: MA 107 FOUNDATIONS OF MATHEMATICS

Add: MA 103 INTRODUCTION TO COMPUTERS

Russian
Add: RU 151 RUSSIAN LITERATURE'S GOLDEN AGE
RU 152 RUSSIAN MODERNISM

Theater and Dance
Delete: TH 116 MASTERS AND MASTERWORKS OF THEATER

Add: TH 218 INTRODUCTION TO PLAYWRITING

DIVISION OF FOREIGN LANGUAGES

*FL 201 INTRODUCTION TO LINGUISTICS. Fall.

*FL 205 THE NATURE OF LANGUAGE. Deleted.

FL 220 MODERN ASIAN FICTION IN TRANSLATION. Deleted. (See CS 220.)

(*FL 251 LITERATURE AND REVOLUTION) Offered in Fall, 1983. Offered in alternate years.
(*FL 252 THE ART OF CINEMA)
*FL 266 VERSIONS OF THE FOREIGN. Fall. New Course. Offered in alternate years. Drawing upon a variety of narratives--novels, explorer accounts, travel writing, short stories and film--we will seek out that which constitutes "the foreign" in the particular context of each narrative considered. Special attention will be given to the rhetoric and modes by which "foreigness" is portrayed. The "alien terrain," "imperialist outlook," "culture shock" and "America as foreign" will provide four broad categories into which the course will be divided. Each student is expected to join with the other students and participating faculty members in "exploring" such issues as knowledge v.s. observation, experiencing v.s. writing, cultural identity as liberating v.s. imprisoning, the picturesque v.s. the significant. This course will attempt its own "voyage of discovery" by searching for a typology of that-which-is-foreign. Mr. Knox, Mr. Berninghausen.

FL 316 SYMBOLISM AND MODERN POETRY. Deleted.

FL 340 THE ART AND CRAFT OF TRANSLATION. Spring.

FL 352 INNOCENCE AND MADNESS IN MODERN FICTION. Deleted.

FL 405 SEMINAR: KAFKA. New Description. Stories, Letters, Novels, Diaries. (A literature course at the 300-level or higher.) Mr. Weeks.

For additional courses offered in English, see also (the below list replaces the list found in the 1981-82 Catalog):

CL 110 INTRODUCTION TO GREEK STUDIES. Fall.

CL 111 INTRODUCTION TO ROMAN STUDIES. Spring.

(*CL 115 INTRODUCTION TO GREEK ARCHAEOLOGY)

(*CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES)

(*CL 150 THE ANCIENT EPIC)

(CL 151 MASTERPIECES OF ROMAN LITERATURE)

CL 152 GREEK TRAGEDY. Fall.

*CL 216 HISTORY OF GREECE. Fall.

CL 217 HISTORY OF THE ROMAN REPUBLIC. Spring.

CL 220 INTRODUCTION TO GREEK SCIENCE. Spring.

CS 220 MODERN CHINESE AND ASIAN FICTION IN TRANSLATION. Spring.

CS 225 CHINESE POETRY IN TRANSLATION. Fall.

CS 235 CHINESE TRADITIONAL FICTION AND DRAMA IN TRANSLATION. Spring.

*FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST. Spring.

*RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880). Fall.

*RU 152 RUSSIAN MODERNISM (1880-Present). Spring.

RU 351 DOSTOEVSKY. Fall.

(RU 352 TOLSTOY)

(RU 354 CHEKHOV)

RU 356 RUSSIAN LITERATURE OF THE 60's AND 70'S. Spring.

(SI 375 ITALIAN CINEMA)

*SI 290 DANTE: THE DIVINE COMEDY. Fall.

SI 231 CAPTAINS, KINGS AND CAUDILLOS. Fall.

DIVISION OF HUMANITIES

HM 120 FOLKLORE. Fall.

HM 220 FOLKLIFE. Fall.

HM 240 THE CULTURE OF REVOLUTION. Deleted.

(HM 305 POETRY, VALUES AND COMMITMENT)

HM 320 FOLKLORE AND LITERATURE. Fall.

DIVISION OF NATURAL SCIENCES

(NS 106 INTRODUCTION TO STATISTICAL SCIENCE)

NS 150 ENVIRONMENTAL SCIENCE. Fall.

AMERICAN LITERATURE

Professors: Stephen Donadio (chairman), John McWilliams (on leave). Assistant Professors: Barbara Lauren, Veronica Makowsky. Visiting Instructor: Joanne Jacobson. Instructor: Karl Lindholm.

Major Program: Under Required for the major, change the first sentence of paragraph 1 to read: fourteen courses for all majors, including AL 201, 202 and 203, AL 450, four other term courses in the department and the two seminars in the Senior Program. Also under Required for the major, change paragraph 2 to read: The Senior Program consists of a fall term seminar (AL 704) and a Winter Term seminar culminating in an oral general examination. The oral examination is based upon a list of readings required of all majors.

Freshman Writing Courses: AL 101 and AL 102 satisfy the freshman writing requirement. (AL 201 does not.)

*AL 101 THE AMERICAN CHARACTER IN LITERATURE. Fall, Spring.

AL 102 THE AMERICAN SHORT STORY. Spring. Staff. This course satisfies the freshman writing requirement.

AL 201 AMERICAN LITERATURE: 1620-1830. Fall. Emphasis on Bradford, Taylor, Edwards, Franklin, Irving, Cooper and Poe. Open to all American Literature and American Studies majors. Limited to 35 students. Ms. Makowsky.

AL 202 AMERICAN LITERATURE: 1830-1865. Fall, Spring. Open to all American Literature and American Studies majors. Limited to 35 students. Ms. Jacobson.

AL 203 AMERICAN LITERATURE: 1865-1940. Fall, Spring. Open to all American Literature and American Studies majors. Limited to 35 students. Ms. Jacobson (Fall), Ms. Makowsky (Spring).

AL 204 RECENT AMERICAN LITERATURE: 1940-Present. Spring. Open to all American Literature and American Studies majors. Limited to 35 students. Ms. Makowsky.

AL 301 THE AMERICAN NOVEL: I. Fall. New Description. The development of the American novel in the 19th century, including work by Cooper, Hawthorne, Stowe, Melville, Twain, Howells, James, Norris, Crane and Wharton. (Open to juniors and seniors only.) Mr. Donadio.

AL 302 THE AMERICAN NOVEL: II. Spring. New description. The development of the American novel in the 20th century, including work by Dreiser, Hemingway, Fitzgerald, Faulkner, Dos Passos, West, Wright and Bellow. (Open to juniors and seniors only.) Mr. Donadio.

AL 304 MODERN AMERICAN POETRY. Fall. New Description. A study of American poetry of the modern period, with emphasis on the poetry of Robinson, Frost, Stevens, Williams, cummings and Crane, and with special attention to the theme of the imagination's power to cure the mind of despair. (Permission of the instructor.) Limited to 15 students. Mr. Pack.

(AL 305 CONTEMPORARY AMERICAN POETRY) Offered in 1983-84.

AL 360 THE ENLIGHTENMENT IN AMERICA. Spring. New Course. A study of major 18th century American men of letters within the context of Enlightenment thought. Readings will include Rousseau, Voltaire, Paine, Burke, Jefferson, Franklin, Crevecoeur and Charles Brockden Brown. Ms. Lauren.

AL 420 AMERICAN CULTURE: 1941-1961. Spring. New Description. An inquiry into cultural developments in the United States from the bombing of Pearl Harbor to the inauguration of John F. Kennedy. The course will focus on changes in popular culture, the visual arts, political sensibility and literary expression. In addition to regular class meetings, this course requires attendance at weekly screenings of a wide variety of documentary and fiction films relating to the period. We will consider perceptions of the Second World War, the Hiss case, the Rosenberg case, the Korean conflict, the McCarthy hearings, Abstract Expressionism, the transformation of popular music and the emergence of the Beat Generation. Independent research and several papers will be required. Readings will include works by Salinger, Bellow, Trilling, Styron, Mailer, Ginsberg, Kerouac, Nabokov, Percy, Heller and Pynchon. (Preference to juniors and seniors.) Limited to 50 students. Mr. Donadio.

AL 430 THE MODERN SHORT STORY. Deleted.

(AL 440 REGIONALISM) Offered in 1983-84.

AL 445 SEMINAR: AMERICAN WOMEN AND THE LAW: 1848-1980. Fall.

AL 450 SEMINAR IN MAJOR AUTHORS. Spring. Authors studied will be Dreiser and Fitzgerald. Ms. Makowsky.

AL 500 SPECIAL RESEARCH. Fall, Spring. New Description. Individual research upon a topic not covered in regular course offerings. (Permission of the instructor.) Staff.

AL 700 SENIOR RESEARCH. Fall, Winter, Spring. New Description. For seniors who are candidates for departmental honors. In order to complete thesis requirements, students will take AL 700 during two of the three terms of their senior year. Staff.

AL 704 SENIOR SEMINAR. Fall.

AL 705 SENIOR SEMINAR/SPRING TERM. Deleted.

N.B. During Winter Term, all senior majors will take a review seminar culminating in an oral general examination to be held at the end of January. In 1983, the seminar will be led by Ms. Jacobson.

PROGRAM IN AMERICAN STUDIES

Major program: Change paragraph 3 to read: Students seeking information or advice concerning American Studies should consult any of the following advisers: Ms. Jacobson (American Literature), Mr. Cox (History), Mr. Ferm (Religion), Mr. Haerle (Sociology/Anthropology), Mr. Davis (Political Science), Mr. Claudon (Economics) and Mr. Wilson (Art).

I. Courses required of all students: Replace #7 with:
PS 102 American Political Regime or
PS 104 American Political Processes

II. Four related American Courses...Courses remain the same with the following exceptions:

American Literature

Delete:	AL	440	REGIONALISM
Add:	AL	360	THE ENLIGHTENMENT IN AMERICA. Spring.
	AL	420	AMERICAN CULTURE: 1941-1961. Spring.

Art

Delete:	AR	212	THE AMERICAN LANDSCAPE
Add:	AR	314	AMERICA: THE VISUAL ENVIRONMENT. Spring.

Economics

Delete:	EC	350	MACROECONOMIC THEORY
	EC	355	MIRCOECONOMIC THEORY
	EC	360	URBAN ECONOMICS
Add:	EC	394	NATURAL RESOURCES ECONOMICS. Fall.

History
Delete: HI 303 THE AMERICAN REVOLUTION

Add: HI 304 JEFFERSONIAN AND JACKSONIAN AMERICA. Fall.
HI 307 BLACK HISTORY. Spring.

Political Science
Delete: PS 212 POLITICS OF THE FEDERAL BUREAUCRACY
PS 306 AMERICAN CONSTITUTIONAL LAW
PS 425 THE AMERICAN PRESIDENCY

Add: PS 305 CONSTITUTIONAL LAW. Fall.
PS 314 AMERICAN URBAN POLITICS. Spring.
PS 410 POLITICAL PARTIES AND INTEREST GROUPS. Fall.

Religion
No changes

Sociology-Anthropology
Add: (SA 387 SOCIOLOGY OF LAW)
SA 388 DEVIANCE. Fall.

Theatre (new category)
Add: TH 237 AMERICAN FILM GENRES. Fall.

III. Advanced Studies: AS 400, AS 401, AS 704 and two semesters of AS 700 are required. (5 courses.)

AS 400 SEMINAR IN AMERICAN STUDIES (JUNIOR YEAR). Fall.

AS 401 RESEARCH SEMINAR (JUNIOR YEAR). Spring.

AS 500 INDEPENDENT STUDY. Fall, Spring.

AS 700 SENIOR THESIS. Fall, Winter, Spring.

AS 704 SEMINAR IN AMERICAN STUDIES (SENIOR YEAR). Spring.

ART

Professor: Robert Reiff. Associate Professors: Glenn Andres (acting chairman, fall term), David Bumbeck, John Hunisak (chairman, on leave fall term). Assistant Professors: James Butler, Eric Nelson. Instructor: Christopher Wilson. Visiting Johnson Professor: Leopold Ettlinger, (fall term).

*AR 101 AN INTRODUCTION TO ART AND ART HISTORY. Fall. Mr. Andres and Staff.

AR 102 MODERN ART. Spring.

(AR 103 INTRODUCTION TO FAR EASTERN ART)

(AR 201 ART OF THE ITALIAN RENAISSANCE)

AR 204 THE ART OF CHINA. Spring.

AR 205 FIGURE DRAWING. Fall.

AR 206 FIGURE DRAWING. Spring.

AR 207 AMERICAN PAINTING: 1750-1900. Fall. New Description. A survey of American Painting focusingupon the major painters and themes of the 18th and 19th centuries. The course will examine the development of history, landscape and genre painting. In addition to these broader themes, we will focus upon some of the great post-Civil War painters including Winslow Homer, Thomas Eakins and Albert Pinkham Rider. Mr. Wilson.

AR 209 STUDIO ART I. Fall. Mr. Nelson, Mr. Butler.

AR 210 STUDIO ART II. Spring. Mr. Nelson, Mr. Butler.

(AR 211 AMERICAN DESIGN)

AR 212 AMERICA: THE VISUAL ENVIRONMENT (Changed to AR 314)

(AR 213 KOUROS TO CONCEPT: ISSUES IN THE HISTORY OF SCULPTURE FROM ANTIQUITY TO THE PRESENT)

AR 216 ART OF THE MIDDLE AGES. Fall. New Description. A survey of European art and architecture from the fall of Rome to the late 13th century. Among the topics to be discussed are: Irish monasticism and its art forms, Romanesque art and architecture, and the great Gothic cathedrals of Chartres, Bourges, Paris, Reims and Amiens. In addition to examining the structural principles of Romanesque and Gothic architecture, we will discuss the development of medieval sculpture and iconography. Other topics to be considered are the design of stained glass windows, illuminated manuscripts and late medieval tapestries. Mr. Wilson.

HM 240 THE CULTURE OF REVOLUTION. Deleted.

AR 241 EUROPEAN AND AMERICAN PAINTING IN THE EARLY INDUSTRIAL AGE: 1780-1880. Fall. New Course. The material covered will be arranged according to subjects painted, beginning with a look at self-portraits. It will be asked in how far they can be regarded as manifestos of painters' outlook. The topics studied in some detail will include landscape, history painting, the coming of industrial subjects, the social conscience of the painter as shown in his choice of subjects and the turn against the century manifest in an exclusive concern with form. The course will conclude with a consideration of art as a substitute for religion. Mr. Ettlinger.

AR 301 MODERN ARCHITECTURE. Spring. New Description. The Western tradition in architecture since the Industrial Revolution. A survey of the men, monuments and developments that established the aesthetic, social and technological background for the contemporary architectural scene. Mr. Andres.

(AR 302 BAROQUE ART: PAINTING, SCULPTURE AND ARCHITECTURE OF SEVENTEENTH CENTURY ROME)

AR 303 NORTHERN EUROPEAN ART: 1300-1600. Fall.

(AR 304 THE ART OF NORTHERN EUROPE: THE BAROQUE)

AR 305 PAINTING AND SCULPTURE OF NINETEENTH CENTURY EUROPE. Spring.

(AR 307 THE ART OF THE CITY)

(AR 308 LATE MODERN ART)

AR 309 PAINTING. Fall. Mr. Butler.

AR 310 PAINTING. Spring. Mr. Butler.

(AR 311 ANCIENT ART)

AR 312 ROMAN ART. Spring. New Description. Roman civilization mirrored by eight centuries of art and architecture--on the surface eclectic and derivative, beneath manifesting the technical, organizational and propagandistic complexity and brilliance that was Rome. Mr. Andres.

AR 314 AMERICA: THE VISUAL ENVIRONMENT. Spring. (See AR 212 in Catalog for description. Topic for 1982-83 same as for 1981-82.)

AR 315 PRINTMAKING. Fall.

AR 316 PRINTMAKING. Spring.

AR 317 PHOTOGRAPHY. Deleted.

AR 319 SCULPTURE. Fall.

AR 320 SCULPTURE. Spring.

AR 400 THE ART WORK AND THE WORD. SPRING. Mr. Hunisak.

AR 401 SEMINAR IN MODERN ART. Fall. (Not offered in Spring.) Mr. Reiff.

AR 403 SEMINAR IN MODERN ARCHITECTURE: ARCHITECTURE AFTER THE MASTERS. Fall. New Description. An investigation of recent architecturaltrends beginning with the climactic work of Wright, Gropius, Mies and LeCorbusier and following the developments and reactions which it inspired. The seminar will draw heavily on contemporary architectural theory and criticism in an attempt to achieve an historical overview of the period since World War II. (Permission.) Limited to 12 students. Mr. Andres.

(AR 404 SEMINAR IN MEDIEVAL ART)

AR 405 SEMINAR IN BAROQUE ART: THE LIFE AND WORK OF REMBRANDT. Spring. New Description. This course will focus upon the 17th century Dutch painter Rembrandt van Rijn. After surveying his life and work, we will examine many of his great masterpieces, including "The Night Watch", "The Anatomy Lesson of Dr. Tulp" and "The Syndics". Special attention also will be given to his life-long fascination with certain religious themes and his remarkable series of self-portraits. (Permission.) Limited to 12 students. Mr. Wilson.

AR 406 SEMINAR IN RENAISSANCE ART: PUBLIC AND PRIVATE PATRONAGE IN FLORENCE DURING THE FIFTEENTH CENTURY. Fall. New Description. With the help of specific monuments, the seminar will consider the workings of patronage. Special attention will be paid to the role of the guilds and the Medici family. (Permission.) Limited to 12 students. Mr. Ettlinger.

(AR 407 SEMINAR IN AMERICAN ART)

AR 440 SEMINAR: POST-MODERNISM AND THE CRISIS IN CRITICISM. Deleted.

AR 510 ADVANCED STUDIES IN ART HISTORY. Fall, Spring.

AR 520 ADVANCED STUDIES IN STUDIO. Fall, Spring.

AR 710 SENIOR INDEPENDENT STUDY IN ART HISTORY. Fall, Winter; or Winter, Spring.

AR 720 SENIOR INDEPENDENT STUDY IN STUDIO. Fall, Winter and Spring.

BIOLOGY

Professors: Duncan McDonald, George Saul, Christopher Watters (chairman), Howard Woodin. Associate Professor: C. Randall Landgren. Assistant Professors: Dwight Baker, Thomas Root. Lecturer: Steven Young (Adjunct Professor). Assistant: H. Peter Wimmer.

Major Program: Change the second sentence of paragraph 4 to read: PY 301 also may be taken for cognate credit. Change the first sentence of paragraph 7 to read: Students planning careers that require graduate or professional school training involving biology should be familiar with the subject matter included in CH 103, CH 104 and CH 241, MA 112, and PH 109 and PH 110, in addition to their biology program.

Under Proficiency Examination, add: Students who bypass BI 125 and elect a concentration in Biology must complete at least four other departmental courses.

*BI 100 EVOLUTION BY NATURAL SELECTION: HISTORICAL DEVELOPMENT AND CURRENT STATUS OF AN IDEA. Spring.

*BI 125 INTRODUCTION TO BIOLOGICAL PRINCIPLES. Fall. Mr. Landgren.

BI 190 GENERAL ECOLOGY. Spring. New Prerequisites. (BI 125 or permission.)

BI 201 INVERTEBRATE BIOLOGY. Fall. New Description. A survey of the major invertebrate phyla of the animal kingdom. Invertebrates comprise more than 90 percent of all animal species, and they represent extremely diverse approaches to the problems of living. After a brief overview, each phylum will be studied with respect to morphological and taxonomic characteristics, physiology, life cycles and evolutionary relationships. Laboratories will consist of both observational and experimental approaches with two field trips for collecting and identifying specimens. (BI 125 or permission.) This course also will be taught in spring, 1984, and in fall, 1985. Mr. Root.

†BI 203 BOTANY. Spring. New Prerequisites. (For students who have taken BI 125, have AP credit in biology, or have passed out of BI 125 by departmental examination, or by permission.)

†BI 205 DEVELOPMENTAL BIOLOGY. Spring.

†BI 220 COMPARATIVE CHORDATE MORPHOLOGY. Spring. New Prerequisites. (BI 125 or permission.) This course also will be taught in fall, 1984, and in spring, 1986.

BI 225 TOPICS IN HUMAN GENETICS. Fall. New Prerequisites. (BI 125.)

BI 230 MICROBIOLOGY. Fall.

BI 250 ORGANELLES AND CELLS: AN INTRODUCTION TO CONCEPTS AND METHODOLOGY. Spring. New Description. The course is no longer closed to students who have taken BI 110. (BI 125 or equivalent preparation; CH 103 as corequisite.)

BI 267 THE BIOLOGY OF INSECTS AND RELATED ARTHROPODS. Fall. New Course. Insects comprise more than half the identified species of living things. This course will examine the varieties of insects and their relationships to other groups of allied invertebrates, and various aspects of their physiology and behaviour. Their importance as plant pollinators and as pests, parasites and pathogen vectors will be discussed. The laboratory will consist of collection and identification of insects, observations of behaviour in field and laboratory, and morphology and anatomy. 3 hrs. lect., 3 hrs. lab. (BI 125 or permission.) Mr. McDonald.

†BI 270 THE BIOLOGY OF BIRDS. Spring.

BI 303 PLANT PHYSIOLOGY. Fall.

BI 311 ECOSYSTEM ANALYSIS. Fall.

BI 314 MOLECULAR GENETICS. Spring. New Prerequisites. (BI 250.)

(†BI 316 ANIMAL BEHAVIOR)

BI 320 COMPARATIVE ANIMAL PHYSIOLOGY. Fall. New Prerequisites. (BI 250 or permission.) This course will also be offered in spring, 1985 and in fall, 1986.

BI 325 MEDICAL MICROBIOLOGY. Spring. New Description. A discussion of all aspects of microbiology related to medicine and the health care professions. Beginning with a review of the history of medical microbiology, the course will examine how scientific knowledge has been accumulated over the past century to result in an essentially disease-free society. Emphasis will be placed on the current theories and practices of disease control with discussions of epidemiology, pathology and immunology. The laboratory will introduce the student to numerous aspects of clinical microbiology and medical procedures. Students will be required to work on a laboratory project culminating in a research paper. (BI 230 or equivalent.) 3 hrs. lect., 4 hrs. lab in 2 sessions. Mr. Baker.

(BI 330 EXPERIMENTAL METHODS IN MICROBIOLOGY)

BI 350 TOPICS IN CELLULAR BIOLOGY. Fall. New Description. Emphasis on the integrative organization of cellular structure and function, especially with respect to the role of membranes in transport, regulation, recognition, synthesis and degradation, and energy metabolism. A critical and experimental approach to the study of these phenomena will be stressed and in part will involve physical and chemical concepts and methods. Laboratory experiments and seminar discussions are designed to implement this

approach and to introduce students to current methodology employed in the isolation and investigation of cellular organelles. Students will submit a criticism of one primary journal reference. (BI 250 and CH 241.) 3 hrs. lect., disc. or 4 hrs. lab. Mr. Watters.

(BI 401 ADVANCED GENETICS)

BI 410 ADAPTATION AND EVOLUTION. Fall. New Course. Following a brief introduction to the history and development of the concepts of evolution and natural selection, the mechanisms of and evidence for speciation and adaptation will be examined in some detail. The geological evidence for different hypotheses of phyletic evolution will be considered, and there will be discussion of the hypotheses concerned with the emergence of living things on our planet. Students will be asked to make occasional presentations to the class. At least one critical paper will be required. (BI 314 or BI 225.) 3 hrs. lect. and disc. Mr. Saul, Mr. McDonald.

(BI 415 ADVANCED TOPICS IN PLANT BIOLOGY)

BI 425 TOPICS IN SYMBIOLOGY. Spring. New Prerequisites. (Any three of the following courses: BI 190, BI 203, BI 220, BI 230, BI 341; and permission.)

BI 500 ADVANCED STUDY. Fall, Winter, Spring.

BI 750 SENIOR WORK (ENVIRONMENTAL STUDIES). Fall, Winter, Spring.

BI 900 RESEARCH AND THESIS. Fall, Winter, Spring.

CHEMISTRY

Professors: Robert Gleason (chairman), E.L. Pool, E. Kirk Roberts (on leave).
Assistant Professors: Maggie O'Brien, David Reingold.

Major program: Change Required for a major to read: CH 103†, CH 104, CH 241, CH 242, CH 351, CH 352 plus five electives; one must be either CH 412 or CH 431 and one must be either CH 421 or CH 422; MA 112, MA 113, PH 109, PH 110. Although a student may elect to take several units of independent study (CH 500 or CH 700) only two may be included in the five elective courses required for the major. Students with a professional interest in chemistry are encourared to elect CH 341, CH 412, CH 431, CH 452 and two course credits of independent study; MA 201, MA 202 and GN 101 and GN 102 or RU 101 and RU 102.

Change Joint Major in Biology and Chemistry to read: Required for a major: Biology: BI 110 and four electives in biology or BI 125, BI 250 and three electives in biology; Chemistry: CH 103, CH 104, CH 241, CH 242, CH 351 and CH 421 or CH 422; In addition: MA 112, MA 113, PH 109, PH 110 and three electives from biology, chemistry, mathematics or physics.

Change the second sentence of Premedical, predental, preveterinary requirments to read: Interested students are urged to take BI 125 and MA 112 in the first term of the freshman year and CH 103 and MA 113 during the second term.

Change final paragraph of introductory copy to read: †CH 103 is the normal introductory course in chemistry. However, many students qualify to omit it by virtue of a satisfactory performance on the Advanced Placement Test of the Educational Testing Service or the department's examination which is administered at the beginning of each term. High school students with good backgrounds in chemistry are urged to take the Advanced Placement Examination.

CH 101 FUNDAMENTALS OF CHEMISTRY. Deleted. (See CH 103)

CH 103 FUNDAMENTALS OF CHEMISTRY I. Fall, Spring. New Course. Fundamental principles of chemistry. Atomic theory and atomic structure; chemical bonding; stoichiometry; introduction to chemical thermodynamics and kinetics. States of matter; solutions and colligative properties. Problem drill and conferences. Laboratory work deals with testing of theories by various quantitative methods. Students with strong secondary school preparation are encouraged to consult the department chairman for permission to elect CH 104 in place of this course. 3 hrs. lect., 4 hrs. lab. Breakage fee. Staff.

CH 104 FUNDAMENTALS OF CHEMISTRY II. Fall, Spring. New Course. Major topics include: descriptive inorganic chemistry; mass action equilibrium phenomena and calculations; electrochemistry; coordination chemistry; nuclear chemistry. Lab work includes inorganic synthesis; qualitative analysis; gravimetric and titrimetric quantitative analysis. (CH 103 or permission.) 3 hrs. lect., 3 hrs. lab. Breakage fee. Ms. O'Brien, Mr. Pool.

CH 105 Same as CH 103 but without the lab.

CH 106 Same as CH 104 but without the lab.

(*CH 110 CHEMISTRY--THE FORMATIVE YEARS: 1800-1915)

CH 131 SYSTEMATIC INORGANIC CHEMISTRY. Deleted.

CH 137 Same as CH 131 without the lab. Deleted.

NS 150 ENVIRONMENTAL SCIENCE (See Division of Natural Sciences.)

CH 211 ANALYTICAL CHEMISTRY I. Deleted.

CH 217 Same as CH 211 but without the lab. Deleted.

CH 241, CH 242 ORGANIC CHEMISTRY I AND II. Fall, Spring. New Prerequisites. (CH 104 or permission; CH 241 must precede CH 242.) Mr. Gleason, Mr. Reingold.

CH 247, CH 248 Same as CH 241, CH 242 but without the lab.

(CH 322 EXPERIMENTAL BIOCHEMISTRY)

CH 341 ORGANIC CHEMISTRY III. Fall. Mr. Reingold.

CH 351 PHYSICAL CHEMISTRY I. Fall. New Description. A study of the macroscopic properties of gases, liquids, and solids. The laws of thermodynamics are developed and applied to simple chemical systems and to chemical equilibrium. Non-ideal behavior is considered from a thermodynamic perspective. Chemical kinetics is treated empirically with consideration given to the order and molecularity of reactions. Electrochemistry. (MA 113, PH 109, CH 241.) 3 hrs. lect., 4 hrs. lab. Staff.

CH 352 PHYSICAL CHEMISTRY II. Spring. New Description. A study of gases, liquids and solids from a microscopic perspective. Kinetic theory and transport phenomena are studied. Statistical mechanics are developed and applied to simple system. Spectroscopy is examined as an application of quantum theory. The microscopic nature of chemical kinetics is examined. (CH 351.) 3 hrs. lect., 4 hrs. lab. Staff.

CH 357 Same as CH 351 but without the lab.

CH 358 Same as CH 352 but without the lab.

CH 412 ADVANCED ANALYTICAL CHEMISTRY. Spring. New Course. Evaluation of data; principles and theory of separations, both qualitative and quantitative, by chemical and physical methods; multiple equilibrium calculations. Instrumental methods of analysis: spectrophotometric, electrometric and others. (PH 109, CH 351.) 3 hrs. lect., 3 hrs. lab. Breakage fee. Mr. Pool.

CH 421 BIOCHEMISTRY. Fall. New Prerequisites. (CH 242, CH 351, or permission; BI 125 is recommended.)

CH 422 BIOCHEMISTRY. Spring. New Prerequisites. (CH 242(248), CH 351 or permission: BI 125 is recommended.)

CH 427/428 Same as CH 421/422 but without the lab.

CH 431 ADVANCED INORGANIC CHEMISTRY. Spring. New Prerequisites. (CH 351.)

CH 442 ADVANCED ORGANIC CHEMISTRY Spring. Gleason

CH 443 ADVANCED ORGANIC CHEMISTRY. Deleted.

CH 452 PHYSICAL CHEMISTRY III. Spring. New Description. An in-depth development of quantum mechanics as applied to chemical systems. Emphasis will be on explaining the nature of chemical principles from fundamental molecular theories. Spectroscopy will be examined in detail. Special topics also may be included, as interest warrants. (CH 352.) 3 hrs. lect. Staff.

CH 500 INDEPENDENT STUDY PROJECT. Fall, Spring.

CH 700 SENIOR WORK. Fall, Winter, Spring.

CH 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring. New Course. Staff.

CHINESE

Associate Professor: John Berninghausen (chairman). Lecturer: Gregory Chiang.

Major program: Change courses listed in parentheses in paragraph 2 to: (CS 220, CS 225, FL 251.)

CS 101 BEGINNING CHINESE. Fall.

CS 102/WT BEGINNING CHINESE. Winter.

CS 102 BEGINNING CHINESE. Spring.

CS 201 INTERMEDIATE CHINESE. Fall. Staff.

CS 202 INTERMEDIATE CHINESE. Spring. Staff.

CS 220 MODERN CHINESE AND ASIAN FICTION IN TRANSLATION. Spring. New Course. A selection of 20th Century novels and short stories from China, Japan and India. Chosen from works of literary merit and historic significance, the readings will include stories by Lu Xun and Mao Dun, Ba Jin's Family and Fortress Besieged by Qian Zhongshu. From modern Japanese authors important novels by Kawabata, Dazai, Mishima and Tanizaki will be analyzed, while novels by Narayan and Raja Roo from India will be contrasted with novels by certain Western writers which also dealt with the turbulent changes of 20th century Asia, i.e. Pearl Buck, George Orwell, etc. The course format will be centered upon discussion of each assigned work with prefatory remarks by the instructor. Several short written analyses of the literary dimension will be required of the students. Mr. Berninghausen.

CS 225 CHINESE POETRY IN TRANSLATION. Fall. Students interested in this course should be in touch with the Chinese department prior to Registration.

CS 235 TRADITIONAL CHINESE DRAMA AND FICTION IN TRANSLATION. Spring. New Course. A general survey of the major writers and works in traditional Chinese drama and fiction. Staff.

CS 301 ADVANCED CHINESE (MODERN CHINESE.) Fall. Mr. Chiang.

CS 302 ADVANCED CHINESE (MODERN CHINESE). Spring. Mr. Chiang.

CS 333 ADVANCED READINGS AND COMPOSITION (MODERN CHINESE). Fall. New Course. This course is designed to develop advanced oral and written skills in both formal and informal Chinese. Students will be required to read and discuss contemporary writings of a non-literary nature including newspaper articles, essays on politics and culture, informal pieces, practical terminology, etc. Several short pieces of writing will be required during the semester. (This course is designed to be particularly useful to the student who is about to live and study in Taiwan, the People's Republic of China, Singapore or Hong Kong.) (CS 302.) Mr. Chiang.

CS 401 CLASSICAL CHINESE: INTRODUCTION TO WENYAN (IN CHINESE). Fall. New Course. A new approach to the traditional written language of China emphasizing grammatical differences from modern Chinese, vocabulary and style. Transformational drills, sentence construction, reading, translation into modern Chinese and compositions which highlight the interaction between wenyan and baihua will be included. All lessons will be accompanied by language laboratory tapes. (CS 302 or equivalent.) Mr. Chiang.

CS 402 CLASSICAL CHINESE: INTRODUCTION TO WENYAN (IN CHINESE). Spring. New Course. A continuation of CS 401, in the second semester this course will lead the student from work in prepared materials to reading a variety of ancient Chinese texts as well as a few examples of later wenyan and semi-wenyan writings. (CS 401.) Mr. Chiang.

CS 475 SEMINAR ON MODERN CHINESE FICTION. Spring.

See also FL 251, FL 266 and Interdisciplinary Major in East Asian Studies.

CLASSICAL STUDIES PROGRAM

Change all information under Required for the major in Classical Studies with the following:

A. *CL 150 THE ANCIENT EPIC or
*CL 216 HISTORY OF GREECE and
*PS 101 INTRODUCTION TO POLITICAL SCIENCE

EL 211 CLASSICS OF LITERATURE: THE ANCIENT EPIC may be substituted for CL 150 in 1982-83.

B. Seven courses in Classical Studies chosen from the following:

CL 110 INTRODUCTION TO GREEK STUDIES
CL 111 INTRODUCTION TO ROMAN STUDIES
(*CL 115 INTRODUCTION TO GREEK ARCHAEOLOGY)
(*CL 121 CLASSICAL TRADITION OF LIBERAL ARTS)
(CL 151 MASTERPIECES OF ROMAN LITERATURE)
CL 152 GREEK TRAGEDY or
EL 227 GREEK DRAMA
CL 217 HISTORY OF THE ROMAN REPUBLIC
CL 220 GREEK SCIENCE
AR 311 ANCIENT ART
AR 312 ROMAN ART
PA 247 ANCIENT GREEK PHILOSOPHY
PS 317 CLASSICAL POLITICAL PHILOSOPHY
PS 409 SEMINAR: POLITICAL PHILOSOPHY
*RE 110 INTRODUCTION TO WESTERN RELIGION

C. Four courses in Greek or four courses in Latin chosen from:

CL 101 BEGINNING LATIN
CL 202 INTERMEDIATE LATIN
CL 103 BEGINNING GREEK
CL 204 INTERMEDIATE GREEK
CL 301 LATIN POETRY
CL 302 LATIN PROSE
CL 303 GREEK POETRY
CL 304 GREEK PROSE
CL 401 READINGS IN LATIN LITERATURE (Fall)
CL 402 READINGS IN LATIN LITERATURE(Spring)
CL 403 READINGS IN GREEK LITERATURE (Fall)
CL 404 READINGS IN GREEK LITERATURE (Spring)

D. CL 420 SEMINAR IN CLASSICAL LITERATURE

E. CL 700 SENIOR ESSAY or
CL 701 GENERAL EXAMINATION

CLASSICS

Professor: William Harris. Associate Professors: Eve Adler (on leave), Ursula Heibges. Assistant Professor: Maureen B. Cavanaugh (acting chairman). Visiting Instructor: Elias Theodoracopoulos.

Major program: Change information under Required for the major in Classics to read: 10 Courses in Greek and Latin (normally 6 in one language and 4 in the other); 3 courses in Classics in translation chosen with department approval; either CL 705 (Senior Essay) or CL 706 (General Examination).

Courses in English

CL 100 INTRODUCTION TO CLASSICAL STUDIES. Deleted. (See CL 110 and CL 111.)

CL 110 INTRODUCTION TO GREEK STUDIES. Fall. New Course. This course is designed as an introduction to the student who wants to study the Classical world of the Greeks. The student reads from a list of major ancient sources from the several disciplines of Classical studies: literature, history, philosophy, geography, ethnology, archaeology, art history. The instructor will lecture on topics of a background nature which would ordinarily be inaccessible to students and comment on the readings. This course is not open to students who have taken CL 100, which this course replaces. Mr. Harris.

CL 111 INTRODUCTION TO ROMAN STUDIES. Spring. New Course. This course approaches the world of the Classical Romans and is much in the same spirit and format as CL 110 above. This course is not open to students who have taken CL 100, which this course replaces. Mr. Harris.

(*CL 115 INTRODUCTION TO GREEK ARCHAEOLOGY)

*CL 116 HISTORY OF GREECE. Deleted. See CL 216.

(*CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES)

(*CL 150 THE ANCIENT EPIC) See EL 211--offered in spring, 1983.

(CL 151 MASTERPIECES OF ROMAN LITERATURE)

CL 152 GREEK TRAGEDY AND ITS INFLUENCE. Fall. New Description. The evolution of various types of tragedy from the 5th century B.C. in Athens to the 1st century A.D. in Rome; relations of these forms to later European adaptations. Theories of tragedy including those of Aristotle. The production of plays. Authors that will be read are Aeschylus, Sophocles, Euripides, Seneca, Shakespeare and Ibsen. Mr. Theodoracopoulos.

CL 155 GREEK AND ROMAN COMEDY. Spring. New Course. The evolution of comedy from the 5th century B.C. in Athens to the 2nd century B.C. in Rome and its adaptation in Renaissance Europe. Theories of comedy, the production of plays. Authors that will be read are Aristophanes, Menander, Plautus, Terence, Shakespeare and Moliere. Mr. Theodoracopoulos.

*CL 216 HISTORY OF GREECE. Formerly CL 116. Fall. New Course. A study of the major political and social developments of the Greek world from the Mycenaean period through the 4th century B.C. will be made in this course. Using as primary sources the works of Herodotus, Thucydides, Xenophon and Aristotle (in translation), we will consider the development of historical thought and writing. Other issues of concern will be the formulation of the three types of government (monarchy, aristocracy, democracy) and the growth of democracy at Athens. Ms. Cavanaugh.

CL 217 HISTORY OF THE ROMAN REPUBLIC. Spring. New Course. The Roman Republic will provide the focus of this course. Of chief concern will be the struggle between the orders (social classes) which gave rise to the Republican constitution; the expansion of Rome's empire within Italy and beyond; the effects of this expansion and the consequent revolution which led to the dissolution of the Republic over the course of the 1st century B.C. and ultimately to the Augustan principate. The history of the 1st century A.D., from the reign of Tiberius to the reign of Nero, will also be considered, if time permits. Ms. Cavanaugh.

CL 220 INTRODUCTION TO GREEK SCIENCE. Fall.

CL 320 SOCIOLOGY OF THE ANCIENT WORLD. Deleted.

CL 420 SEMINAR IN CLASSICAL LITERATURE. See Courses in Greek and Latin, below.

CL 421 CLASSICAL RHETORIC AND POETIC. Deleted.

Courses in Greek and Latin.

CL 101 BEGINNING LATIN. Fall. Staff.

CL 202 INTERMEDIATE LATIN. Spring. New prerequisites. (CL 101 or examination.) Staff.

CL 103 BEGINNING GREEK. Fall. Staff.

CL 204 INTERMEDIATE GREEK. Spring. Staff.

CL 301 LATIN PROSE. Fall. New Description. Selected works of Latin prose. Staff.

CL 302 LATIN POETRY. Spring. New Description. Selected works of Latin poetry. Staff.

CL 303 GREEK POETRY. Fall. New Description. Selected works of Greek epic poetry and tragedy. Staff.

CL 304 GREEK PROSE. Spring. New Description. Selected works of Greek prose, focusing on either the historians, Herodotus and Thucydides, or Plato. Staff.

CL 401 READINGS IN LATIN LITERATURE. Fall. New Course. An advanced reading course in Latin of works chosen to meet the needs of the students. Staff.

CL 402 READINGS IN LATIN LITERATURE. Spring. New Course. An advanced reading course in Latin of works chosen to meet the needs of the students. Staff.

CL 403 READINGS IN GREEK LITERATURE. Fall. New Course. An advanced reading course in Greek of works chosen to meet the needs of the students. Staff.

CL 404 READINGS IN GREEK LITERATURE. Spring. New Course. An advanced reading course in Greek of works chosen to meet the needs of the students. Staff.

CL 420 SEMINAR IN CLASSICAL LITERATURE. Fall. New Description. Studies in a classical author, genre or period to be determined. Staff.

CL 700 SENIOR ESSAY. New Course. Staff.

CL 701 GENERAL EXAMINATION FOR CLASSICAL STUDIES MAJORS. New Course. Staff.

CL 706 GENERAL EXAMINATION FOR CLASSICS MAJORS. New Course. Staff.

PROGRAM IN EAST ASIAN STUDIES

Participating faculty: Mr. Berninghausen, chairman (Chinese Language and Literature), Mr. Chiang (Chinese Language and Culture), Mr. Clifford (History), Mr. Davis (History), Mr. Illick (Geography), Mr. Lopez (Religion), Mr. McGough (Sociology/Anthropology), Mr. Miyaji (East Asian Languages and Culture), Mr. Reiff (Art), Mr. Rosenberg (Political Science).

Under Requirements for an East Asian Studies Major, replace paragraphs 2 and 3 with the following: The East Asian Studies major will be expected to acquire basic language proficiency, oral and written, in either modern Chinese or Japanese.* (See Section II of both Alternatives A and B below.) Coursework in spoken and written Chinese may be taken at Middlebury during the regular academic year, in the Middlebury summer intensive program and with the approval of the Chinese department chairman some language study at the level of CS 302 or higher may be taken at certain language training programs or centers in Taiwan, the People's Republic of China, Hong Kong or Singapore (see Alternative B).

Each EAS major is expected to select a probable senior thesis adviser from the faculty members participating in this program and to discuss his/her proposed course of study with the program chairman and the senior thesis adviser by the beginning of the junior year. In most cases, it will be necessary for the EAS major to take one or two courses during the fall semester of the junior year to gain extra methodological preparation for researching and writing the senior thesis. (The program chairman may require an EAS major to take EA/HI 415 in the fall of the junior year depending on the student's needs.)

ALTERNATIVE A. Section I. The first paragraph remains the same. The rest of the copy should be changed to:

Five courses required of all majors:

HI 207 IMPERIAL CHINA

Plus one of the following:
RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS
HI 209 TRADITIONAL JAPAN
HI 331 MODERN EAST ASIA, 1750-1912
HI 332 MODERN EAST ASIA, 1912-1976

Plus one of the following:
SA 335 CHINESE SOCIETY AND CULTURE
PS 220 ASIAN POLITICS
GG 330 SOUTH AND EAST ASIA
HI 424 COMMUNISM IN CHINA

Plus two of the following:
AR 204 ART OF CHINA
RE 115 INTRODUCTION TO EASTERN RELIGIOUS LIFE AND THOUGHT
RE 211 THE BUDDHIST TRADITION: CHINA AND JAPAN
RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS
CS 220 MODERN CHINESE AND ASIAN FICTION IN TRANSLATION
CS 225 CHINESE POETRY IN TRANSLATION
CS 235 CHINESE TRADITIONAL FICTION AND DRAMA IN TRANSLATION
CS 475 SEMINAR ON MODERN CHINESE FICTION (IN CHINESE)

Plus three other courses selected by the student from the following:
AR 204 THE ART OF CHINA
CS 220 MODERN CHINESE AND ASIAN FICTION IN TRANSLATION
CS 225 CHINESE POETRY IN TRANSLATION
CS 235 CHINESE TRADIIONAL FICTION AND DRAMA IN TRANSLATION
CS 475 SEMINAR ON MODERN CHINESE FICTION (IN CHINESE)
HI 415 WRITING AND RESEARCH, EAST ASIA
GG 330 SOUTH AND EAST ASIA
HI 209 TRADITIONAL JAPAN
HI 331 MODERN EAST ASIA, 1750-1912
HI 332 MODERN EAST ASIA, 1912-1976
HI 335 CHINESE INTELLECTUAL HISTORY
HI 424 COMMUNISM IN CHINA
HI 430 CHINESE INSTITUTIONAL HISTORY
PS 220 ASIAN POLITICS
PS 404 THE POLITICAL ECONOMY OF DEVELOPMENT
RE 115 INTRODUCTION TO EASTERN RELIGIOUS LIFE AND THOUGHT
RE 211 THE CHINESE TRADITION
RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS
SA 335 CHINESE SOCIETY AND CULTURE

Section II. Remains the same.

Section III. Change to the following: During the first month of the fall semester, each East Asian Studies senior will declare a thesis topic (in consultation with the thesis adviser) which seeks to explore one central problem or question within a closely defined scope and limited area/time period/methodological framework. In most cases, some primary or secondary sources in an East Asian language are to be covered in the thesis. A rough outline and bibliography showing what materials the student intends to use to research his/her thesis topic is to be given to the program chairman by October 1. A series of colloquia will afford each major the opportunity to present preliminary findings to faculty and students during the second half of the fall semester and Winter Term. At least one completed copy of the senior thesis to be submitted to the program chairman no later than noon on the last Friday of Winter Term classes. Three bound copies are to be given to the program chairman by the first week of the spring term. A thesis that is submitted late will not be eligible for Honors.

EA 700 Senior Thesis. Fall or Spring.

EA 700/WT Senior Thesis. Winter.

ALTERNATIVE B. Section I. First paragraph remains the same. The rest of the copy should be changed to:

Required of all majors under this option:

HI 207 IMPERIAL CHINA

Plus one of the following:
RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS
HI 209 TRADITIONAL JAPAN
HI 331 MODERN EAST ASIA, 1750-1912
HI 332 MODERN EAST ASIA, 1912-1976

Plus one of the following:
SA 335 CHINESE SOCIETY AND CULTURE
PS 220 ASIAN POLITICS
GG 330 SOUTH AND EAST ASIA
HI 424 COMMUNISM IN CHINA

Plus one of the following:
AR 204 ART OF CHINA
RE 115 INTRODUCTION TO EASTERN RELIGIOUS LIFE AND THOUGHT
RE 211 THE BUDDHIST TRADITION: CHINA AND JAPAN
RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS
CS 220 MODERN CHINESE AND ASIAN FICTION IN TRANSLATION
CS 225 CHINESE POETRY IN TRANSLATION
CS 235 CHINESE TRADITIONAL FICTION AND DRAMA IN TRANSLATION
CS 475 SEMINAR ON MODERN CHINESE FICTION (IN CHINESE)

Plus two other courses to be chosen from the following:
AR 204 THE ART OF CHINA - MODERN
CS 220 MODERN CHINESE AND ASIAN FICTION IN TRANSLATION
CS 225 CHINESE POETRY IN TRANSLATION
CS 235 CHINESE TRADITIONAL FICTION AND DRAMA IN TRANSLATION
CS 475 SEMINAR ON MODERN CHINESE FICTION (IN CHINESE)
HI 415 WRITING AND RESEARCH, EAST ASIA
GG 330 SOUTH AND EAST ASIA
HI 209 TRADITIONAL JAPAN
HI 331 MODERN EAST ASIA, 1750-1912
HI 332 MODERN EAST ASIA, 1912-1976
HI 335 CHINESE INTELLECTUAL HISTORY
HI 424 COMMUNISM IN CHINA
HI 430 CHINESE INSTITUTIONAL HISTORY
PS 220 ASIAN POLITICS
PS 404 THE POLITICAL ECONOMY OF DEVELOPMENT
RE 115 INTRODUCTION TO EASTERN RELIGIOUS LIFE AND THOUGHT
RE 211 THE CHINESE TRADITION
RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS
SA 335 CHINESE SOCIETY AND CULTURE

Section II. Remains the same.

Section III. Identical to Section III of ALTERNATIVE A, above.

EA 700 Senior Thesis. Fall.

EA 700/WT. Senior Thesis. Winter.

N.B. Given the interdisciplinary nature of this major, East Asian Studies is not an appropriate choice for one-half of a joint major. Students wishing to take a joint major in a discipline (social science, natural science or humanities) combined with Chinese language should consult the Chinese department.

ECONOMICS

Professors: Michael Claudon (chairman), John Craven, David Smith. Associate Professors: Richard Cornwall, Paul Sommers. Assistant Professor: David Audretsch. Instructor: Juergen Fleck. Christian A. Johnson Distinguished Visiting Professor: David C. Colander.

I. THE MAJOR:
Under Introductory Sequence, change courses in parentheses to: (MA 115 and MA 200).
Under Intermediate Theory Sequence, change all copy except the NOTE (which remains the same) to: EC 350 and EC 355. MA 115 is a prerequisite for EC 355 and EC 350. MA 115 and EC 350 may be taken concurrently.
Under Elective Sequence, "700" level courses can be substituted for "400" level courses for the class of 1983 only.

II. ECONOMIC CONCENTRATIONS. No change.

III. POST-GRADUATE PREPARATION. Change paragraph 3 to: Taking MA 200 in addition to MA 112 and MA 115 provides much more adequate preparation for graduate study in either economics or business than does MA 115 alone.

EC 100 BASIC ELEMENTS OF THE AMERICAN ECONOMY. Fall, Spring.

NS 150 ENVIRONMENTAL STUDIES. See Division of Natural Sciences for description.

EC 150 INTRODUCTORY ECONOMICS (MACRO). Fall, Spring. New Prerequisites. (Working knowledge of calculus.)

EC 155 INTRODUCTORY ECONOMICS (MICRO). Fall, Spring. New Prerequisites. (Working knowledge of calculus.)

EC 210 ECONOMIC STATISTICS. Fall.

EC 211 ECONOMIC STATISTICS: INTRODUCTION TO REGRESSION ANALYSIS. Spring.

EC 315 ACCOUNTING. Fall, Spring.

EC 320 THE CORPORATION. Spring.

(EC 335 COMPARATIVE ECONOMIC SYSTEMS) Offered in 1983-84.

EC 350 MACROECONOMIC THEORY. Fall. New Prerequsites. (EC 150, EC 155, MA 112 and MA 115. MA 115 may be taken concurrently.)

EC 355 MICROECONOMIC THEORY. Spring. New Prerequisites. (MA 112, MA 115 and EC 155.)

(EC 360 URBAN ECONOMICS AND THE ECONOMICS OF URBAN PROBLEMS) Offered in 1983-84.

EC 365 ENVIRONMENTAL ECONOMICS. Fall. New Prerequisites. (EC 100, EC 150 and EC 155 or permission.)

EC 380 RADICAL ECONOMICS. Spring. New Description. An examination and evaluation of radical critiques of the methodology and content of orthodox economics. (EC 150 and EC 155.) Mr. Craven.

(EC 385 LABOR ECONOMICS) Offered in 1983-84.

EC 394 THE ECONOMICS OF NATURAL RESOURCE MANAGEMENT. Fall. New Course. The optimal use of natural resources is examined from a theoretical framework based on microeconomic models and welfare economics. Particular emphasis is given to the issues of energy economics and the optimal depletion of scarce resources. The validity of benefit-cost analysis as a means of resource allocation will be evaluated. (EC 150 and EC 155.) Mr. Claudon.

EC 410 ECONOMETRICS. Spring. New Description. Methods for modelling and testing economic theory. Topics include methods of estimation and inference using the linear regression model and methods of estimation when the assumptions of this model are violated because of errors in variables, serial correlation and simultaneous systems of equations. These methods include generalized least squares, instrumental variables, two stage least squares and maximum likelihood estimation. An important component of class work will be analyzing the use of statistics in recently published tests of economic theory. Students will be asked to use these methods in a project of their own. (EC 211 and MA 200.) Mr. Cornwall.

(EC 430 INEQUALITY AND POVERTY) Offered in 1983-84.

EC 435 THE LABOR MANAGED ECONOMY. Deleted.

EC 440 THE ECONOMICS OF INTERNATIONAL TRADE. Fall. New Prerequisites. (EC 210 and EC 355.) Mr. Claudon.

EC 445 INTERNATIONAL FINANCE. Spring.

EC 450 HISTORY OF ECONOMIC THOUGHT. Spring.

EC 460 INDUSTRIAL ORGANIZATION. Fall.

EC 470 PUBLIC FINANCE. Fall.

EC 475 MONETARY THEORY AND FINANCIAL INSTITUTIONS. Spring.

EC 495 MICROECONOMIC FOUNDATIONS OF MACROECONOMICS I. Fall. New Course. Mr. Colander.

EC 496 COMPETITION, MONOPOLY AND RENT SEARCHING. Fall. New Course. Mr. Colander.

EC 497 MICROECONOMIC FOUNDATIONS OF MACROECONOMICS II. Spring. New Course. Mr. Colander.

EC 498 CHRISTIAN A. JOHNSON SEMINAR. Spring. New Course. Mr. Colander.

EC 500 INDIVIDUAL SPECIAL PROJECTS. Fall, Spring.

EC 704 SENIOR SEMINAR. Fall, Spring. Required for all majors beginning with the class of 1984.

EC 750 SENIOR THESIS. (ENVIRONMENTAL STUDIES). Fall, Winter, Spring. See Environmental Studies Program for description.

EC 800 SENIOR RESEARCH FOR HONORS. Fall, Spring.

THE PROGRAM IN ENVIRONMENTAL STUDIES

Change the fifth sentence in paragraph 2 to read: In addition, courses in Senior Research are required of all Environmental Studies majors.

Delete the NOTE following paragraph 4.

Change Minimum Requirements for a Major in Environmental Studies to read: An Environmental Studies Major requires a number of departmental "major track" courses plus three senior thesis courses in the elected field of emphasis. In addition and more particularly the following conditions apply:
Core Courses--(for each track)--EC 155 (INTRODUCTORY ECONOMICS: MICRO), BI 190 (GENERAL ECOLOGY), MA 112 (MATHEMATICAL ANALYSIS I); skills in computer use and statistics: GG 201 (TECHNIQUES OF ENVIRONMENTAL ANALYSIS) or EC 210 ECONOMIC STATISTICS or NS 106 INTRODUCTION TO STATISTICAL SCIENCE or equivalent; 3-unit senior thesis with major department, (including about six weeks of spring semester devoted to an interdisciplinary environmental case study.)

Ecology
1. BI 311, 3 upperclass Biology courses and 3 senior thesis,
2. 4 courses in Chemistry, Physics or Geology, and
3. 4 approved courses in the social sciences.

Environmental Chemistry
1. 5 upperclass courses and 3 senior thesis,
2. 2 courses in Physics and MA 113, and
3. 4 approved courses in the social sciences.

Environmental Economics
1. EC 155, EC 355, EC 365, EC 470 and 3 senior thesis,
2. 2 courses in Chemistry, Physics or Geology, and
3. 5 approved cognate courses in Geography, Political Science or Sociology.

Environmental Geography.
1. GG 202, GG 250, GG 260, GG 300, and 3 senior thesis,
2. 3 courses in Biology, Chemistry, Geology, or Physics, and,
3. 4 approved cognate courses in Political Science, Psychology, Economics, History or Sociology.

Environmental Geology
1. 6 Geology courses and 3 senior thesis,
2. 3 courses in Biology, Chemistry or Physics, and
3. 4 approved courses in the social sciences.

Environmental Physics
1. PH 109, PH 110, PH 201, PH 202, PH 212, 2 other Physics courses above the 100-level; 3 senior thesis (including comprehensive examination),
2. MA 113, 3 courses in Biology, Chemistry or Geology and
3. 3 approved courses not in the natural sciences.

Professors: Paul Cubeta (on leave fall and winter), Robert Hill, David Littlefield, Edward Martin (chairman), Robert Pack, Henry Prickitt (on leave). Associate Professors: John Elder, David Price. Assistant Professors: John Bertolini, Raymond Carney, Elizabeth Mansfield, Jay Parini. Visiting Assistant Professors: Sydney Lea, Elizabeth Napier.

Freshman Writing Courses

EL 101 NARRATIVE FICTION. Fall, Spring.

EL 103 LYRIC AND NARRATIVE POETRY. Fall, Spring. Staff.

EL 104 DRAMA: CLASSICS AND COMMERCIALS. Fall, Spring. Mr. Carney.

EL 105 DRAMA. Fall, Spring. Mr. Bertolini.

EL 107 THE ESSAY. Fall. New Description. This course will teach the art of expository prose writing with attention to voice, stance, strategies or argumentation and the convincing use of evidence. Working from essays of major modern prose stylists, analyzing and criticizing their arguments and strategies, the course will concentrate on developing the individual student's control of argumentation and integrity of personal style.
Mr. Elder.

EL 170 THE STRUCTURE OF FICTION. Fall, Spring.

EL 175 THE STRUCTURE OF POETRY. Fall, Spring. Mr. Price (Fall),Mr. Lea (Spring).

Major Program

Under Required for a Major in English, delete EL 404 from Section A, and EL 309 from Section E.

Literature

*EL 110 CONTINENTAL FICTION. Spring.

(*EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN) Offered in 1983-84.

(*EL 112 MYTHOLOGIES TIMELESS AND TIMELY, TRADITIONAL AND CONTEMPORARY) Offered in 1983-84.

EL 201 INTERPRETATION OF LITERATURE: CHAUCER, SHAKESPEARE, MILTON. Fall.

EL 202 INTERPRETATION OF LITERATURE: POPE TO YEATS. Spring. (This course will not cover the work of Donne.)

EL 206 THE EARLY NOVEL. Fall. New Description. The development of the English novel in the 18th century. Novelists include Defoe, Swift, Richardson, Fielding, Smollett and Sterne.
Mrs. Napier.

EL 207 NINETEENTH CENTURY FICTION. Fall. Mrs. Mansfield.

EL 208 THE TWENTIETH CENTURY ENGLISH NOVEL. Fall, Spring. Mr. Price (Fall), Mr. Elder (Spring).

EL 209 CONTEMPORARY LITERATURE. Spring. New Description. Readings in contemporary fiction, non-fiction, poetry and drama. We will focus on literature as an effort to capture the forms and forces of contemporary life, writing as a living record of the ways we live today.
Mr. Carney.

EL 211 CLASSICS OF LITERATURE: THE ANCIENT EPIC. Spring. New Course. A close study of Homer's Iliad and Odyssey, Vergil's Aeneid, and Ovid's Metamorphoses in English translation. This course will examine the initial achievement, continuity, and evolution of the ancient epic, with special attention to narrative strategies, poetic modalities, historical perspectives and structural design. Mr. Littlefield.

(EL 212 MODERN BRITISH POETRY) Offered in 1983-84.

EL 224 MEDIEVAL AND RENAISSANCE DRAMA. Spring. New Description. A study of Elizabethan and Jacobean dramaturgy as practiced by such masters of comedy and tragedy as Marlow, Jonson, Shakespeare, Webster and Ford, with medieval drama as a background.
Mr. Bertolini.

EL 229 MODERN BRITISH DRAMA. Spring.

EL 301 CHAUCER. Fall. Mr. Martin

EL 302 MEDIEVAL LITERATURE. Spring. Mr. Martin.

(EL 303 ENGLISH LITERATURE OF THE SIXTEENTH CENTURY) Offered in 1983-84.

AL 304 MODERN AMERICA POETRY. Fall. See American Literature department copy in this supplement for description.

EL 304 ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY. Fall. A survey of the thought and literature of the 17th century. Selected works of both prose and poetry by Bacon, Burton, Jonson, Donne, Herbert, Marvell, Hobbes and Milton, with attention to the historical and cultural background of the period. Mr. Littlefield.

(EL 305 POETRY AND PROSE OF THE ENGLISH AUGUSTAN AGE) Offered in 1983-84.

EL 308 TWENTIETH CENTURY SHORT STORY. Deleted.

EL 313 ENGLISH ROMANTICISM. Fall. Mr. Hill.

EL 314 VICTORIAN POETRY. Spring.

(HI 318 ENGLISH HISTORY AS A BACKGROUND FOR ENGLISH LITERATURE)

EL 321 SHAKESPEARE. Fall, Spring. Mr. Bertolini (Fall), Mr. Cubeta (Spring).

Seminars

EL 401 SEMINAR: JOHN MILTON. Spring. New Description. A study of the major poetry: "L'Allegro" and "Il Penseroso," Comus, "Lycidas," Samson Agonistes, Paradise Lost and Paradise Regained; and selected prose: "On Education," The Doctrine and Discipline of Divorce, Areopagitica, and selections from the political tracts. Attention will be directed to the social, religious and political aspects of Milton's work as well as his literary achievement. Mr. Littlefield.

EL 402 SEMINAR: D.H. LAWRENCE. Deleted.

EL 403 SEMINAR: WORDSWORTH AND FROST. Spring. New Description. Selected poems by the two poets will be studied in the context of the themes of belief and skepticism, with special attention to the poems in which Frost enters into implicit dialogue with Wordsworth. Mr. Pack.

EL 404 SEMINAR: THE ILLUSTRATED BOOK: VISUAL/VERBAL TEXTS THROUGH THE TWENTIETH CENTURY. Deleted.

EL 407 SEMINAR: WILLIAM BUTLER YEATS. Fall. New Course. Extensive readings in most of Yeats' works with intensive study of selected poetry. Works to be read, or read in, outside the required reading of all the poetry will include: The Autobiography, The Collected Plays,A Vision, Mythologies, Irish Fairy and Folk Tales (ed. Yeats), Ideas of Good and Evil,Discoveries, Per Amica Silentia Lunae, The Cutting of an Agate. Mr. Hill.

EL 410 SEMINAR: GEORGE BERNARD SHAW. Fall. New Course. The major plays from 1894-1931, including Caesar and Cleopatra, Man and Superman, Major Barbara and St. Joan, with emphasis on Shaw's characters, thought and dramaturgy. Mr. Bertolini.

EL 421 SEMINAR: SHAKESPEAREAN TRAGEDY. Spring.

Writing

(EL 260 INTERMEDIATE WORKSHOP: NONFICTION) Offered in 1983-84.

EL 270 INTERMEDIATE WORKSHOP: FICTION. Fall, Spring. Mrs. Mansfield (Fall), Mr. Parini (Spring).

EL 275 INTERMEDIATE WORKSHOP: POETRY. Fall.

EL 460 SEMINAR: ADVANCED WRITING. Fall, Spring. Mr. Parini (Fall), Mrs. Mansfield (Spring).

Special Projects

EL 500, 520, 560 SPECIAL PROJECTS. Fall or Spring.

Senior Program. Copy remains the same.

FRENCH

Professors: Simon Barenbaum, Edward Knox. Associate Professors: Nancy O'Connor (at Middlebury in Paris), Carol Rifelj. Assistant Professors: Mireille Barbaud, Claire Schub. Visiting Assistant Professor: Gabriel Asfar. Instructor: Martine Prieto. Directress of the Chateau: Anne-Marie Bretton.

Major program: Replace initial copy and Required for the Major with the following (Information on Joint Majors, Senior Independent Work and Honors remains unchanged):
The French department considers competence in French to be the essential prerequisite to any advanced work. Most incoming freshmen are placed according to their ability in French and background in FR 201, FR 202 or FR 205. Beyond FR 205, courses in civilization, literature and further language study are available at the 200-and 300-levels.

The advanced level program at Middlebury is weighted somewhat towards literature rather than civilization while the reverse is true of the Junior Year program in Paris. Students particularly interested in French Civilization should consider FR 206, FR 222, FR 313 and literature courses designed with a major socio-cultural component (FR 310, FR 312, FR 315, FR 321). Other departments offer courses which deal in some depth with France: AR 102, 216; AR 305, HI 104, 317; PS 103, 107, 225, 406. Further civilization offerings are available in the Middlebury summer and Paris programs.

Students interested in studying in Paris on the Junior Year program should contact the faculty member in charge before registering for their sophomore year. They should seek out in other areas basic courses fundamental to a foreign experience (in history of art, European history, comparative politics, the American political system, sociology, anthropology, etc.) Students planning to go to France for the spring semester only must take FR 206.

Required for the major: FR 205 or the equivalent, two (preferably three) courses from FR 206, FR 207, FR 208 and FR 209; at least four courses at the 300-level or above. Most courses taken in France will be at the 300 level. Total of not fewer that ten courses, not more than fourteen.

In France, a major is expected to earn no more than five units (full year program) or three units (semester program) toward the major. The preliminary session in Paris does not count toward the major. During the senior year at least two advanced courses in French must normally be taken at Middlebury. College Board AP scores of four and five count toward graduation but not toward the major.

FR 101 INTENSIVE BEGINNING FRENCH. Winter.

FR 102 BEGINNING FRENCH. Spring.

FR 201 INTERMEDIATE FRENCH. Fall, Spring.

Prerequisites to the Major
FR 205 TOWARD LIBERATED EXPRESSION. Fall, Spring.

Two or three of the following four courses:
FR 206 INTRODUCTION TO CONTEMPORARY FRANCE. Fall, Spring. New Description. An introduction to several major sectors and themes: the family, the school system, social structures, the economy, the political structures and parties. Emphasis on the vocabulary of these sectors; language appropriate to situating them in context; and the ability to analyze documents involving such themes. Mr. Knox.

FR 207 INTRODUCTION TO FRENCH POETRY. Spring.

FR 208 INTRODUCTION TO FRENCH THEATER. Fall, Spring.

FR 209 INTRODUCTION TO FRENCH PROSE. Fall, Spring.

Language, Literature, Civilization
*FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST. Spring. This course will study the development of the realist novel and its eventual turn towards a new, subjective reality in five major novels by Stendhal, Balzac, Flaubert, Zola and Proust. It will center on the examination of the novels themselves, but it will also incorporate aspects of French social history from Napoleon through the Dreyfus affair. Our goals will be a better understanding of the complex interrelationship of literature and society and the appreciation of five rich, multi-faceted and fascinating works. No knowledge of French is required. Ms. Rifelj.

FR 215 IMPROVING WRITING IN FRENCH. Spring.

FR 222 FACETS OF A CHANGING FRANCE. Spring.

FR 305 ADVANCED PRACTICE IN WRITTEN FRENCH. Spring.

(FR 310 LITERATURE AND SOCIETY IN THE ANCIEN REGIME)

FR 312 THE EIGHTEENTH CENTURY NOVEL AND THE IMAGE OF WOMEN. Fall. New Description. We will attempt to place selected novels and tales in the historical and cultural context of the ancien regime as well as studying the ways their narrative forms, style and themes structure their vision of women. Readings will include Perrault's fairy tales, Mme. de Lafayette's La Princesse de Cleves, novels by the Enlightenment philosophes Voltaire and Diderot, selections from Sade, and Les Liaisons dangereuses of Laclos. Ms. Rifelj.

FR 313 FRENCH CIVILIZATION IN THE TWENTIETH CENTURY. Fall.

FR 315 THE NINETEENTH CENTURY NOVEL. Spring. Ms. Prieto.

FR 316 NINETEENTH CENTURY POETRY. Fall. New Course. A study of the major 19th century French poets. We will study the importance of poetry in literary movements like romanticism and symbolism. We will read works of Hugo, Lamartine, Vigny, Baudelaire and Mallarmé among other poets. Ms. Barbaud.

FR 317 MODERN FRENCH THEATER. Spring. Ms. Barbaud.

(FR 318 TWENTIETH CENTURY POETRY)

FR 320 THE TWENTIETH CENTURY NOVEL. Fall. New Description. A consideration of characteristic themes in 20th century novels (e.g. space, time, writing, images of women, etc.). We will also investigate the mission and responsibility of the modern writer and responses to such questions as: What is writing? Why does one write? For whom? Authors will include Proust, Breton, Sartre, Butor, Wittig. Ms. Schub.

FR 321 FROM THE BAROQUE TO THE CLASSICAL STAGE. Fall. New Title.

FR 324 CULTURE AND IDENTITY IN FRANCOPHONE LITERATURE. Spring. New Course. We will explore the voices of the French speaking world outside of France: Québec, Africa and the Caribbean, and the problems and struggles of cultural identity, exile, colonization and independence which they express. Novelists, essayists and poets will include: Senghor, Césaire, Brouard, Fanon, Memmi, Hébert, Blais, Grandbois. Ms. Schub.

FR 331 THE FRENCH NOVEL AND THE CRISES OF FEMININITY. Deleted.

FR 350 FRENCH CINEMA. Deleted.

FR 442 WORKSHOP IN FRENCH THEATER OR RADIO. Spring. New Description. Group study and preparation of a play or radio programs; the problems of production and communication to various audiences (high school, other colleges, Middlebury), various talents will combine to present the play or the radio programs. Mr. Barenbaum.

FR 500 INDEPENDENT PROJECTS. Fall. Spring. Add new sentence to description: FR 500 projects or essays proposed by senior majors for honors must be approved by the department as a whole.

FR 700 SENIOR RESEARCH. Fall, Winter, Spring.

FR 704 SENIOR SEMINAR: TWENTIETH CENTURY POETRY. Spring. New Description. Special attention will be given to the Surrealist movement. We will study its effect on 20th century poets--including Eluard, Aragon, Reverdy, Supervielle, Max Jacob and others. Ms. Barbaud.

GEOGRAPHY

Professor: J. Rowland Illick. Assistant Professors: Robert Churchill, additional staff member to be hired.

Major program: Delete NOTE at end of program copy.

Introductory Course

*GG 100 GEOGRAPHY: A MODERN SYNTHESIS. Fall, Spring. New Title. Now a Foundations Course. 3 hrs. lect., 3 hrs. lab. Mr. Churchill.

NS 150 ENVIRONMENTAL SCIENCE. See Division of Natural Sciences for description.

Core Courses

GG 201 TECHNIQUES OF ENVIRONMENTAL ANALYSIS. Fall. Staff.

GG 202 CARTOGRAPHY AND GRAPHICS. Spring.

GG 250 PHYSICAL EARTH PROCESSES. Fall.

GG 260 HUMAN GEOGRAPHY. Spring. Staff.

GG 300 RESEARCH METHODS IN GEOGRAPHY. Spring.

(GG 301 ADVANCED QUANTITATIVE METHODS IN GEOGRAPHY)

GG 400-level Seminars

GG 451 SEMINAR IN ECONOMIC GEOGRAPHY. Fall, Staff.

GG 452 SEMINAR IN PHYSICAL GEOGRAPHY. Fall.

(GG 453 SEMINAR IN QUANTITATIVE METHODS IN GEOGRAPHY)

GG 454 SEMINAR IN URBAN GEOGRAPHY. Spring. Staff.

Non-Core Courses

GG 330 SOUTH AND EAST ASIA. Fall.

GG 331 MIDDLE EAST AND NORTH AFRICA. Spring.

GG 351 THE URBAN WORLD: PATTERNS, PROBLEMS AND POLICIES. Spring.

GG 352 THE GEOGRAPHY OF DEVELOPMENT. Fall.

(GG 353 NATURAL HAZARDS)

GG 354 WEATHER AND CLIMATE. Spring. Mr. Illick.

GG 500 RESEARCH IN GEOGRAPHY. Fall, Spring.

GG 700 SENIOR RESEARCH. Fall, Winter, Spring.

GG 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring. New Course. Staff.

See also Program in Environmental Studies.

See also Division of Natural Sciences.

GEOLOGY

Professor: Brewster Baldwin (chairman). Assistant Professors: Raymond Coish, William Glassley, Peter Goreau.

Major program: Replace paragraph 5 with the following: Students planning to major in Geology are required to complete four 100-level courses in the cognate sciences of Biology, Chemistry, Mathematics, Physics (no more that 2 in any one department). Students should consult with their advisers for selection of specific cognate courses.

*GL 102 DYNAMIC EARTH. Spring. New Description. An overview of geology dealing with the development of ideas on mountain-building, continental drift, sea-floor spreading, and plate tectonics. Emphasis is on concepts stimulated by technological advances after 1950, although most ideas are presented in historical context. Laboratory: interpretation of geologic maps, field trips in Vermont. 3 hrs. lect., 3 hrs. lab. Mr. Coish.

GL 112 ENVIRONMENTAL GEOLOGY. Spring.

NS 150 ENVIRONMENTAL SCIENCE. See Division of Natural Sciences for course description.

GL 161 ELEMENTS OF OCEANOGRAPHY. Fall. Mr. Goreau.

*GL 171 GLOBAL TECTONICS. Fall.

GL 201 BEDROCK GEOLOGY OF VERMONT. Fall.

GL 252 GEOMORPHIC PROCESSES. Spring.

(GL 292 PLANETARY GEOLOGY)

GL 342 MARINE GEOLOGY. Spring.

GL 381 STRUCTURAL GEOLOGY. Fall.

GL 392 IGNEOUS PETROLOGY. Spring.

GL 461 STRATIGRAPHY AND PALEONTOLOGY. Fall.

GL 482 GEOPHYSICS. Spring. New Description. An introduction to the physical nature of the Earth from two perspectives: i) Whole-Earth Geophysics: the large-scale properties of the planet, including formation, structure, gravity, orbital properties and seismology; ii) Geophysical Exploration: acquisition and interpretation of geophysical data derived from surface and satellite-based observations. (PH 110 or permission.) 3 hrs. lect., 3 hrs. lab. Mr. Goreau.

GL 491 METAMORPHIC PROCESSES. Spring.

GL 492 ADVANCED PETROLOGY. Fall.

GL 500 READINGS AND RESEARCH. Fall, Spring.

GL 700 SENIOR RESEARCH. Fall, Winter, Spring.

GL 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring. New Course. Staff.

GERMAN

Professors: Thomas Huber (chairman), Kimberly Sparks (at Middlebury in Mainz), Van Horn Vail. Visiting Assistant Professor: C. Andrew Weeks. Lecturer: Constance Kenna. Assistant: Helke Voss

GN 101 ELEMENTARY GERMAN. Fall.

GN 102 ELEMENTARY GERMAN. Spring.

GN 201 INTERMEDIATE GERMAN. Fall.

GN 202 ADVANCED GERMAN. Spring.

(GN 301 ADVANCED WRITING AND INTRODUCTION TO LITERARY CRITICISM)

(GN 302 READINGS IN LITERATURE, HISTORY AND POLITICAL SCIENCE)

GN 303 STYLISTICS. Fall. New Course. Exercises in various styles of written and spoken German, using source materials from German TV, newspapers and magazines. Students will study language and style in documentary writing, news reporting and analysis, advertising and other areas of mass media. Systematic expansion of vocabulary with emphasis on idiomatic usage and special attention to correctness of grammar. Ms. Kenna.

(GN 305 THE GERMAN NOVELLE I)

GN 306 THE GERMAN NOVELLE II. Fall. New Description. This course will follow one genre, the Novelle, as it evolves through a century and a half of German writing. The aim of this course is to acquaint the student with the development of a form through several literary periods and with the companion critical concepts which serve it. Readings will range from Goethe to Kafka. Mr. Vail.

GN 307 THE GERMAN NOVELLE III. Spring. New Description. Modern German short stories and Novellen, written between the late 1940's and the present, will be analyzed to trace the concerns, preoccupations, themes and literary styles of contemporary German authors. Mr. Vail.

(GN 310 GERMAN IN ITS CULTURAL CONTEXTS)

(GN 315 GERMAN DRAMA)

GN 320 THE WORKS OF BERTOLT BRECHT. Deleted.

(GN 335 CULTURE AND OPPOSITION IN GERMANY: 1945 TO THE PRESENT)

(GN 336 THE GERMAN SCHOOL NOVEL AND ITS CONTEXT)

GN 360 BRECHT AND THE CULTURE OF WEIMAR GERMANY. Fall. New Course. The course will provide a survey of Weimar culture with particular emphasis on Bertolt Brecht's dramatic work during this period. Course materials will include, in addition to several of Brecht's plays, other readings representative of the literary culture of the time. The aim of the course will be to explore the relationship between literary innovations and the scientific, political and social developments of the Weimar era. Mr. Weeks.

(GN 401 EMERGENCE OF GERMAN AS A LITERARY LANGUAGE)

GN 402 ESTABLISHMENT OF GERMAN AS A LITERARY LANGUAGE. Fall. New Description. A representative selection of Goethe's early and mature works will provide the frame of the course. The student will be given insight into the artistic development of a single great figure and the surrounding minor literary figures. Readings will include an early novel of Goethe's, lyrics from throughout his career and several plays, including Faust I. Some of Schiller's poems, essays and plays will be used to counterpoint Goethe's intellectual and artistic development. (Open to all students who have had GN 202 or equivalent.) Mr. Huber.

(GN 406 ROMANTICISM)

GN 415 THE GERMAN NOVEL. Deleted.

GN 420 MODERN GERMAN LITERATURE. Spring. New Description. Beginning with a study of the literary revolt of the 1880's, students will investigate the rise and fall of Naturalism, the emergence of early Expressionism as well as the literary impact of World War I. Authors to be read include: Theodor Fontane, Gerhart Hauptmann, Arno Holz, Georg Heym, Carl Sternheim, and the anthologists of Menschheitsdammerung. Mr. Huber.

GN 421 TWENTIETH CENTURY LITERATURE. Deleted.

(GN 422 INSIDERS AND OUTSIDERS--LITERATURE AND CULTURE OF THE WEIMAR YEARS)

GN 500 INDEPENDENT STUDY

GN 800 HONORS PROJECT

N.B. An additional literature course will be offered in fall and spring terms.

HISTORY

Professors: William Catton (Historian-in-Residence), Nicholas Clifford, Travis Jacobs (chairman), Marjorie Lamberti, Pardon Tillinghast. Associate Professors: John McCardell, John Spencer. Assistant Professors: Thomas Cox, David Macey. Visiting Assistant Professor: Richard Davis.

Major program: Delete the final sentence in paragraph 4.

Material on HI 100-399, LECTURE COURSES; HI 401-419, RESEARCH SEMINARS; HI 420-440, READINGS COURSES; HI 500, SPECIAL RESEARCH PROJECTS; HI 700, SENIOR INDEPENDENT STUDY; and HI 705, TEACHING ASSISTANTSHIP; remains the same.

Foundations Courses

*HI 103 TURNING-POINTS IN EARLY MODERN HISTORY. Fall. One section of this course (rather than two sections) will fulfill the freshman writing requirement.

*HI 104 MODERN REVOLUTIONS. Spring. Addition to Description--Conducted in lecture/discussion format, with lectures presented by Professors Macey, Lamberti, Clifford and Spencer, accoring to their area of specialization.

European History

HI 215 ENGLAND: 1640 TO PRESENT. Deleted.

*CL 216 HISTORY OF GREECE. Fall. See Classics department copy in this supplement for a description of this course.

CL 217 HISTORY OF THE ROMAN REPUBLIC. Spring. See Classics department copy in this supplement for a description of this course.

HI 313 RUSSIAN HISTORY TO THE GREAT REFORMS. Fall.

HI 314 RUSSIAN HISTORY FROM THE GREAT REFORMS TO THE PRESENT. Spring.

HI 315 HISTORY OF MODERN EUROPE, 1815-1900. Fall. New Description. A study of Europe in the 19th century, emphasizing problems in social and intellectual history. The political turmoil and ideologies of the age will be studied as part of a larger process of social change. Miss Lamberti.

HI 316 HISTORY OF MODERN EUROPE, 1900-1968. Spring. New Description. A study of Europe in the 20th century concentrating on the origins and the impact of the First World War, the rise of fascist movements and the Nazi dictatorship, the Bolsheviks in power and the triumph of Stalinism, the outbreak of the Second World War, the effects of the peace settlement and the coming of the cold war, and Europe's economic recovery from the devastations of war and quest for unity. Miss Lamberti.

(HI 317 HISTORY OF FRANCE, 1750-1940)

(HI 318 ENGLISH HISTORY AS A BACKGROUND FOR ENGLISH LITERATURE)

HI 319 THE HISTORY OF GERMANY FROM 1648 TO THE TWENTIETH CENTURY. Spring. New Course. The course begins with the rise of the Hohenzollerns and the expansion of Brandenburg-Prussia in the 17th and 18th centuries. It covers the movement of national unification from the revolution of 1848 to the founding of the German Empire. The study of Imperial Germany gives particular attention to the social and political strains and conflicts generated by the attempt to combine a dynamic industrial society with political authoritarianism and the power and privilege of traditional elites and to Germany's bid for world power leading to the outbreak of the First World War. Miss Lamberti.

HI 320 THE USES OF BIOGRAPHY. Spring. Change in Description. Students in the course will read about one biography every two weeks.

(HI 325 THE CIVILIZATION OF THE DARK AGES) Offered in 1983-84.

(HI 326 THE MEDIEVAL OUTLOOK, 1050-1300) Offered in 1983-84.

HI 327 EUROPE IN THE RENAISSANCE. Fall. New Description. The course will include the period from roughly 1300 to 1550. There will be no coverage of the Reformation and its antecedents; these will be handled in HI 328. The major focus will be on the background of the cultural events of the period. Mr. Tillinghast.

HI 328 THE REFORMATION. Spring. New Description. An attempt to tie religious currents in the late Middle Ages to the teachings of the earlier Reformers. The stress will be on the relationship between developing religious needs and the prevailing currents in thought and society. Mr. Tillinghast.

(HI 411 WRITING AND RESEARCH, WAR OF ILLUSIONS: HOW THE FIRST WORLD WAR BEGAN)

(HI 414 EUROPEAN REVOLUTIONS AND REVOLUTIONARIES, 1787-1921)

HI 416 WRITING AND RESEARCH IN EUROPEAN HISTORY. Spring. Mr. Macey.

(HI 421 GERMANY, 1918-1933: THE WEIMAR REPUBLIC AND THE RISE OF THE NAZI MOVEMENT)

HI 423 THE STUART PERIOD. Spring. New Description. A study of the events in the 1620's, 1630's and early 1640's that led to the English Civil War. Mr. Tillinghast.

(HI 425 HENRY VIII AND THE HISTORIANS) Offered in 1983-84.

HI 427 THEMES IN MODERN EUROPEAN HISTORY. Fall.

HI 500 SPECIAL RESEARCH PROJECTS. Fall, Spring. Mr. Tillinghast, Miss Lamberti, Mr. Macey.

American History

HI 203 UNITED STATES HISTORY, 1492-1861. Fall. Mr. McCardell and Staff.

HI 204 UNITED STATES HISTORY, 1861-Present. Spring.

(HI 303 THE ERA OF THE AMERICAN REVOLUTION, 1763-1800)

HI 304 JEFFERSONIAN AND JACKSONIAN AMERICA, 1800-1848. Fall. A close study of the so-called "Middle Period" of American History from the "Revolution of 1800" to the Mexican War. The course will examine the major themes of the period--political democracy, economic diversification, social reform, intellectual ferment, and territorial expansion--as parts of an evolving sense of American nationalism. Mr. McCardell.

HI 305 TWENTIETH CENTURY AMERICA, 1900-1941. Fall.

HI 306 TWENTIETH CENTURY AMERICA, 1941-1980. Spring.

HI 307 BLACK HISTORY. Spring. New Description. An examination of the Black experience in America. The nature of slavery and freedom, the significance of migration and urbanization, and the various strategies employed by Blacks to gain equality and a sense of identity throughout American History will give general focus to the course. The social, economic and political structure of a black community in an urban and a rural environment will receive close attention. Mr. Cox.

(HI 308 AMERICAN INTELLECTUAL HISTORY) Offered in 1983-84.

(HI 311 AMERICAN DIPLOMATIC HISTORY)

(HI 380 CIVIL WAR AND RECONSTRUCTION) Offered in 1983-84.

HI 402 WRITING AND RESEARCH IN AMERICAN HISTORY. Spring.

HI 420 GREAT AMERICAN HISTORIANS. Fall. Mr. Jacobs, Mr. McCardell.

HI 435 READINGS IN AMERICAN HISTORY. Fall. Last sentence of description should be changed to read: HI 435 is required of but not limited to students taking CN 069B; it does not fulfill the department's requirement for the major. Mr. Cox.

Non-Western

HI 205 THE FOUNDATIONS OF MODERN AFRICA. Fall.

HI 206 MODERN AFRICA. Spring.

HI 207 IMPERIAL CHINA. Fall.

HI 209 TRADITIONAL JAPAN. Spring. New Description. Cultural history of Japan from prehistoric through the Tokugawa Period (1600-1868). Special emphasis is on the influence of Indian, Chinese, Korean and Western thoughts and culture. Extensive reading and discussion of primary source material in translation. Mr. Miyaji.

HI 210 MODERN MIDDLE EAST HISTORY. Spring.

HI 211 AFRICAN HISTORY. Deleted.

HI 331 MODERN EAST ASIA, 1750-1912. Fall.

HI 332 MODERN EAST ASIA, 1912-1976. Spring.

(HI 335 CHINESE INTELLECTUAL HISTORY)

HI 413 WRITING AND RESEARCH, IMPERIALISM. Spring. Mr. Spencer, Mr. Davis.

HI 415 WRITING AND RESEARCH, EAST ASIA. Fall. New Course. Seminar for East Asian Studies majors at the junior-year level designed to familiarize the student in an inter-disciplinary fashion with seminal works in East Asian history, literature and the social sciences, while also enhancing basic research skills. Some language training is expected, as research tools to be introduced will include works in both English and Chinese. Mr. Davis.

HI 424 COMMUNISM IN CHINA. Spring.

HI 429 COLONIALISM IN AFRICA. Fall. New Description. A study of colonialism in Africa based on novels and associated background readings. Authors include Chinua Achebe, Mongo Beti, Joseph Conrad, Graham Greene, Alan Paton, and Ngugi wa Thiongo. Mr. Spencer.

(HI 430 CHINESE INSTITUTIONAL HISTORY)

HI 500 SPECIAL RESEARCH PROJECTS. Fall, Spring.

ITALIAN (See SPANISH/ITALIAN)

PROGRAM IN LITERARY STUDIES

Copy remains the same, except for the following changes: On p. 147, in list under THEORETICAL, Bracket: (*FL 251 LITERATURE AND REVOLUTION)
Add: *FL 266 VERSIONS OF THE FOREIGN. Fall.

Add the following three courses at the end of the program copy:

LS 500 INDEPENDENT READING COURSE. Fall. New Course. Intended for majors in Literary Studies preparing for the senior comprehensive examinations. Mr. Donadio.

LS 700 SPECIAL RESEARCH. Winter. Intended for majors in Literary Studies preparing for the senior comprehensive examinations. Mr. Donadio.

LS 705 SENIOR COLLOQUIUM. Fall. New Course. Reading and discussion of selected works from the comprehensive list, intended for senior majors in Literary Studies. (open to non-majors if space available). Mr. Donadio and Staff.

MATHEMATICS

Professors: Ronald Bielli, Michael Olinick, Bruce Peterson. Associate Professors: John Emerson, James Krupp, Robert Martin (chairman). Assistant Professors: Thomas Copeland, Karl David, Thomas Yuster.

Major program: Under Required for the major: delete MA 202 and add MA 203 to the courses listed in the first sentence.
Also under Required for the Major: change paragraph 4 to read: The department offers a coherent set of courses in the area of Computer Science. There are two distinct levels of introductory courses in Computer Science, MA 103 and MA 213. MA 103 is a less intensive introduction to computers than MA 213, designed for students who do not need the level of programming skill normally achieved by those who complete MA 213. Although no major in this area is offered, the courses MA 213, 223, 323, 325 (the latter two offered alternate fall semesters) and PH 222 present the substantial portion of a core curriculum in Computer Science recommended by the Association for Computing Machinery (ACM).
Finally, under Required for the Major: change the last two sentences to read: MA 105 and MA 103 are courses designed for students with minimal secondary school background in mathematics. Students who have completed the MA 112-113 calculus sequence and who are therefore prepared to work at the level of 200 courses in mathematics should not register for MA 105.

*MA 103 INTRODUCTION TO COMPUTERS. Spring. New Course. An introduction to computer science for those interested in acquiring elementary computer literacy and exploring some of the impact of computers on society. The course will begin with problem solving methods and algorithmic development using the BASIC programming language. The elements of BASIC discussed will include numeric and string data types, expressions, arrays, loops and text files. Students will also learn how to use the text editing and graphics features of the Middlebury computing system. The programming skills mastered in the course will enable students to write BASIC programs necessary to complete projects or thesis work in advanced courses in the natural and social sciences.
It will also be possible for a limited number of students to satisfy the Freshman Writing Requirement by successful completion of this course. Such students will attend one extra class meeting per week and will write a number of expository essays. Mr. Martin, Mr. Olinick.

*MA 105 FINITE MATHEMATICS: PROBABILITY, STATISTICS AND MATRICES. Fall. Mr. Olinick, Mr. Martin.

(*MA 107 FOUNDATIONS OF MATHEMATICS)

MA 111 FROM CONTINUOUS FUNCTIONS TO THE CALCULUS. Winter-Spring. Mr. David.

MA 112 MATHEMATICAL ANALYSIS-I. Fall, Spring.

MA 113 MATHEMATICAL ANALYSIS-II. Fall, Spring.

MA 115 CALCULUS FOR THE SOCIAL SCIENCES. Fall, Spring.

*MA 123 COMPUTER PROGRAMMING I. Deleted. (See MA 213)

MA 200 LINEAR ALGEBRA. Fall, Spring. Staff.

MA 201 MATHEMATICAL ANALYSIS-III. Fall, Spring.

MA 203 MATHEMATICAL ANALYSIS-IV. Spring. New Course. A continuation of MA 200. Inner product spaces and cannonical forms. The Cayley-Hamilton and spectral theorems. Applications to systems of linear differential equations. Sequences and series with applications to differential equations. Mr. Yuster.

MA 213 PROGRAMMING I. Fall, Spring. New Course. An intensive introduction to computer programming and algorithm design using Pascal. The methodology of structured programming is stressed throughout the course. Weekly programming assignments are a significant part of the course. The final 2-3 weeks of the course introduce Fortran as a second language, showing students how to extend the concepts learned in Pascal to another language. (MA 112 is recommended, but not required.) Mr. Krupp.

MA 220 GRAPH THEORY AND COMBINATORICS. Fall. New Description. Topics from combinatorial mathematics including graphs, enumeration problems, planar graphs, Euler paths and the Konigsberg Bridge Problem. Hamiltonian graphs, the four color conjecture, tilings and tesselations of the plane. Fibonacci sequences, applications. (MA 113.) Mr. Peterson.

(MA 222 CONVEX FIGURES)

MA 223 PROGRAMMING II. Spring. New Description. A second course in programming designed to expand students' programming abilities and knowledge about computers. Emphasis is placed upon the design and construction of large programs, including a significant group programming exercise. Time will be spent comparing Basic, Fortran and Pascal for various programming applications. (MA 213.) Mr. Krupp.

(*MA 227 SET THEORY)

(MA 250 FOUNDATIONS OF GEOMETRY)

MA 302 ABSTRACT ALGEBRA-I. Spring. Staff.

(MA 310 PROBABILTIY) Offered in 1983-84.

(MA 311 STATISTICS) Offered in 1983-84.

MA 315 MATHEMATICAL MODELS IN THE SOCIAL, LIFE AND MANAGEMENT SCIENCES. Fall. New Description. An introduction to the role of mathematics as a modeling tool and an examination of some mathematical models of proven usefulness in problems arising in the social and management sciences. Topics will be selected from the following: axiom systems as used in model building, optimization techniques, linear and integer programming, theory of games, systems of differential equations, computer simulation, stochastic processes. Specific models in political science, ecology, sociology, anthropology, psychology and economics will be explored. (Permission.) Mr. Olinick.

MA 318 SELECTED TOPICS IN OPERATIONS RESEARCH. Spring. New Description. Operations Research is the utilization of quantitative methods as an aid to managerial decisions. In this course, several of these methods will be introduced and studied in both a mathematical context and a physical context. Topics included will be selected from the following: classification of problems, and the formulation of models, linear programming, network problems, transportation problems, shortest route problems, assignment problems, integer programming, non-linear programming queues, inventory problems and game theory. (Permission.) Mr. Olinick.

MA 321 ELEMENTARY NUMBER THEORY. Spring. New Description. Divisibility and primeness. Number congruences, the theorems of Lagrange, Fermat and Euler, residue theory, quadratic reciprocity. Diophantine equations. The distribution of primes, density and the Prime Number Theorem. (MA 113.) Staff.

(MA 323 COMPUTER SYSTEMS AND ASSEMBLY LANGUAGE PROGRAMMING)

(MA 325 DATA STRUCTURES AND FILE PROCESSING)

(MA 326 INTRODUCTORY ALGEBRAIC TOPOLOGY)

MA 401 ADVANCED CALCULUS. Fall. Mr. David.

MA 402 ADVANCED CALCULUS. Spring. Mr. David.

MA 403 ABSTRACT ALGEBRA-II. Spring. New Description. The theory of fields. Extension fields, algebraic and transcendental elements. Further topics from abstract algebra chosen from among: finite fields, Galois theory, advanced linear algebra including duality, quadratic forms, and the Jordan form of a matrix, skew fields, the Wedderburn theorem, algebraic geometry, category theory, lattices and boolean algebras. (MA 302.) Mr. Yuster.

(MA 410 MEASURE AND PROBABILITY)

(MA 411 ELEMENTARY TOPOLOGY)

MA 413 ORDINARY DIFFERENTIAL EQUATIONS. Fall. New Course. An informal introduction to ordinary differential equations with an emphasis on techniques and applications. Topics include an exhaustive study of first and second order equations, difference equations, power series techniques, eigenvalue expansions, asymptotic series, special functions, and Laplace transforms. Students will have the opportunity to explore additional topics as part of a final project. (MA 201 or permission.) Mr. Krupp.

(MA 421 MODERN GEOMETRY)

(MA 431 COMPLEX ANALYSIS)

MA 500 ADVANCED STUDY. Fall, Spring.

MA 704 SENIOR SEMINAR. Fall, Spring.

MUSIC

Christian A. Johnson Professor of Music: H.C. Robbins Landon. Professors: Emory Fanning, George Todd (chairman). Assistant Professor: Dale Cockrell. Instructor: James Griesheimer.

*MU 101 INTRODUCTION TO MUSICAL STYLES. Spring. New Description. A study of musical life and literature from antiquity through the 20th century with an emphasis on major styles and their essential elements. The course aims to develop in students the minimal listening skills necessary for differentiating among styles and composers. Elementary principles of notation, useful in following simple scores, to be explained in class. No previous experience assumed. Mr. Griesheimer.

*MU 105 PERSPECTIVES OF MUSIC. ~~Fall.~~ Spring. Mr. Todd, Mr. Cockrell.

(*MU 109 RUDIMENTS OF THE MUSICAL LANGUAGE)

MU 205 PERFORMANCE LAB. Fall, Spring.

MU 209 THEORY. Fall. Mr. Todd.

MU 210 THEORY. Spring.

MU 220 SURVEY OF MUSIC HISTORY. Fall.

MU 221 SURVEY OF MUSIC HISTORY. Spring.

(MU 230 AMERICAN POPULAR SONG)

(MU 270 OPERA)

MU 290 FUNDAMENTALS OF CONDUCTING. Spring.

MU 301 ELECTRONIC AND COMPUTER MUSIC. ~~Spring.~~ Fall. Formerly MU 201. See MU 201 in 1981-82 Catalog for description.

MU 306 PERFORMANCE CLASS. Fall. Staff.

MU 307 PERFORMANCE CLASS. Spring.

MU 309 ANALYSIS. Fall. Mr. ~~Todd.~~ Berger

MU 310 ANALYSIS. Spring. Mr. Todd.

MU 312 COMPOSITION. Deleted.

(MU 320 MASTERS OF THE EIGHTEENTH CENTURY)

(MU 321 MUSIC IN THE MEDIEVAL AND RENAISSANCE PERIODS)

(MU 322 MUSIC IN THE BAROQUE ERA)

(MU 323 MUSIC IN THE CLASSICAL PERIOD)

(MU 324 MUSIC IN THE ROMANTIC ERA)

MU 325 MUSIC IN THE TWENTIETH CENTURY. Fall. New Description. This course will emphasize Western music since WW II. Active class participation is expected in discussions of the compositional and cultural problems of contemporary music and in the performance of relevant and representative compositions. Mr. Cockrell.

MU 326 MUSIC IN AMERICA. Spring. New Description. A study of the history, culture and literature of music in the New World, from the earliest known musics of the Native Americans, through the colonial and federalist periods, to the present. A special emphasis will be on the "American experience" and its cultural relationship to our musical expression. Mr. Cockrell.

(MU 327 NEW ENGLAND FOLK SONG)

MU 330 SYMPHONIC LITERATURE. Spring. New Description. A study of the symphony and related forms (tone poem, concert overture, etc.) from c. 1740 to the present. Among the major topics: the pre-classical symphony schools of Mannheim, Milan, Berlin and Vienna. The symphonies of Haydn, Mozart and Beethoven, 19th century developments (program elements, literary influences, nationalism), the symphonies of Schubert, Schumann, Mendelssohn, Berlioz, Liszt, Franck, Dvorak, Brahms, Tschiakovsky, Bruckner, Mahler, the tone poems of Liszt and R. Strauss, the symphony in the 20th century (Hindemith, Schoenberg and his circle, Bartok, Prokofiev, Shostakovitch, Stravinsky, Copland, Ives), commercial applications of the symphonic tradition (movie music, TV scores, etc.) Mr. Griesheimer.

MU 340 BEETHOVEN AND THE NEW CURRENTS OF THE NINETEENTH CENTURY. New Course. A study of musical life and literature from the Napoleonic Era through the third quarter of the 19th century. Topics to include: Beethoven and the stylistic revolution in harmony, form and content; tenets of musical romanticism and its early exponents: Schubert, Schumann, Weber, Mendelssohn, Chopin, Berlioz, Liszt; the Lied and song cycle; symphony, concert overture; tone poem, idiomatic piano writing; chamber music; origins and diversification of romantic opera. Ability to read music and rudimentary theoretical knowledge are assumed. Mr. Landon, Mr. Griesheimer.

(MU 341 J. S. BACH)

MU 390 JUNIOR SEMINAR IN MUSIC HISTORY. Fall. Mr. Landon, Mr. Griesheimer.

MU 500 INDEPENDENT STUDY.

MU 704 SENIOR WORK.

Performance Studies
Copy remains the same, except private instruction in guitar will be offerd by Mr. Geoghegan.

PROGRAM IN NORTHERN STUDIES

Delete the NOTE at the end of paragraph 1.

Inquiries about the 1982-83 program should be directed to Indy Burke in the Science Center, Room 428. Students wishing to spend fall term 1982 at the Center for Northern Studies should register with Ms. Burke and may do so anytime this May.

Courses offered in Middlebury
NE 151 INTRODUCTION TO POLAR ENVIRONMENTS. Spring.

NE 152 PUBLIC POLICY IN THE CIRCUMPOLAR NORTH. Fall.

Courses Offered at the Center for Northern Studies. (Fall, Winter and Spring Terms) Interested students should see the 1981-82 Catalog, and check with Indy Burke in the Science Center.

NE 500 INDEPENDENT STUDY

NE 700 SENIOR THESIS PREPARATION

PHILOSOPHY

Professors: Stanley Bates (chairman), Victor Nuovo. Associate Professor; Lynne Baker, Assistant Professors: Michele LaRusch, William Rued.

Change the final sentence under Major program to: Majors must elect: one course in Ethics and Social Philosophy; one course in Philosophy of Science and Theory of Knowledge; one course in the History of Philosophy and two seminars.

*PA 102 THE GOOD AND THE TRUE: INTRODUCTION TO PHILOSOPHY. Fall.

*PA 170 THE WAY TO REASON. Spring.

*PA 180 INTRODUCTION TO MODERN LOGIC. Fall.

PA 190 ETHICS AND THE ENVIRONMENT. Spring. New Course. An introduction to aesthetic and ethical attitudes toward nature. An investigation of selected concepts such as beauty, the sublime, goodness, purposiveness, aesthetic and ethical disinterestedness. Although various texts will be studied, special attention will be given to Kant's exposition of these concepts in his third Critique. The course is meant not so much as an introduction to environmental ethics but as a way to bring to light the aesthetic principles which underlie ethics and natural science . In the light of this understanding, environmental problems that require a moral solution shall be examined. Mr. Nuovo.

PA 205 HUMAN NATURE AND ETHICS. Fall. New Description. An investigation of some of the most important theories in Western intellectual history concerned with appropriate ways for men to lead "the good life." Proceeding in historical sequence, the course will cover Plato, Aristotle, Hobbes, Hume, Kant and Camus. An attempt will be made to relate the moral theories considered to the general intellectual assumptions of the ages in which they were produced and to the stated or unstated conceptions of human nature contained in the theories. Mr. Bates.

(PA 207 CONTEMPORARY MORAL PROBLEMS)

(PA 210 PHILOSOPHY OF EDUCATION)

PA 213 PHILOSOPHY OF RELIGION. Spring. New Description. An investigation of the philosophical problems raised by the claims of religious belief: the existence and attributes of God, divine omnipotence and human freedom, the problem of evil, immortality and eschatology. Mr. Rued.

(PA 222 AMERICAN PHILOSOPHY)

PA 223 INTRODUCTION TO CONTEMPORARY PHILOSOPHY. Fall. New Description. This course will treat both the analytical tradition represented by figures such as Frege, Russell, Moore, Wittgenstein and Austin and the phenomenological existential tradition represented by Husserl, Heidegger and Sartre. Mr. Rued.

PA 233 AESTHETICS. Spring. New Description. Contemporary and historical readings will be used to examine problems in the philosophy of art. There will be exploration of what is a work of art and meaning and truth in various of the arts. Attention will be given to questions of aesthetic judgment and of aesthetic value as well. Some prior acquaintance with philosophy or literature or the arts is recommended. Ms. Baker.

(PA 238 METAPHYSICS)

PA 247 ANCIENT GREEK PHILOSOPHY. Spring. New Description. The study of ancient philosophy is not an antiquarian interest only, for Greek philosophy is the foundation of a tradition that is very much alive and well. This course will be devoted to an examination of the doctrines and methods of ancient philosophers and their schools. A large part of the course will be devoted to Plato and Aristotle, but consideration will also be given to Socrates and the Pre-Socratics, the Stoics and other Hellenistic schools. The principle concerns of this course are two: How does philosophy use its past? and, What is the nature of a philosophical tradition? Lectures, readings and discussion. (No prerequisites.) Mr. Nuovo.

PA 250 HISTORY OF EARLY MODERN PHILOSOPHY: DESCARTES TO KANT. Spring. New Description. This course will involve a detailed study of the beginning period of modern philosophy from the emergence of the new scientific world view in the early 17th century to the great finale of the Enlightenment in the work of Immanuel Kant. We shall concentrate on issues involved in the theory of knowledge and the theory of reality in rationalism represented by Descartes, Spinoza and Leibniz and in empiricism represented by Locke, Berkeley and Hume. However, we shall also discuss some of the moral, political and literary implications of these theoretical issues. (It would be helpful to have taken PS 101, RE 110, HM 150 or PA 170 as preparation for this course.) Mr. Bates.

(PA 255 KIERKEGAARD, MARX AND NIETZSCHE)

PA 270 ULTIMATE QUESTIONS. Deleted.

(PA 280 INTERMEDIATE LOGIC)

Ethics and Social Philosophy. PA 190, 205, 207, and courses numbered in the range PA 300-320 fall in the general area of ethics, social philosophy and theory of value.

(PA 309 PHILOSOPHY OF LAW)

Philosophy of Science and Theory of Knowledge
(PA 351 THEORY OF KNOWLEDGE)

PA 352 PHILOSOPHY OF MIND. Fall. New Description. This course will focus on the problems involved in relating conscious mental phenomena to the physical world. What is the nature of such conscious phenomena as believing , feeling, imagining, or perceiving. There will be critical examination of several kinds of theories of consciousness, and special attention will be given to contemporary theories. There will also be discussion of connections between theories of consciousness and theories of personal identity. Mr. Rued.

PA 353 PHILOSOPHY OF SCIENCE. Fall. New Description. In this course we will trace mankinds' scientific view of the world from Thales, the first Greek philosopher, to Sir Isaac Newton. Students will study and critically evaluate scientific theories concerning the creation and nature of the universe. Critical evaluation of such theories will focus specifically upon the picture which an age forms of the nature of its world. We will raise the questions: What are the essential elements in that picture and how did they come there? The aim of this course is to help students understand clearly the foundations of modern scientific thought so that they may judge more accurately the validity of the contemporary scientific picture or world-view. Ms. LaRusch.

PA 354 PHILOSOPHY OF LANGUAGE. Spring. New Description. This course will introduce the student to both traditional and contemporary theories of meaning and reference. With regard to theories of meaning, we will specifically be concerned with theories of word meaning, theories of sentence meaning, and theories of speaker meaning. With regard to theories of reference we will examine views as to how definite descriptions, proper names and demonstratives function to actually "pick out" particular entities in the world. We will then discuss how the new theories of meaning and reference bear on other important philosophical issues such as analyticity, necessity, trans-world identity, and the theory of natural kinds. Ms. LaRusch.

Seminars
The following seminars are required of senior majors, and are open to other qualified students by permission.

PA 406 KANT. Fall. New Course. This seminar will consist of a careful examination of the critical philosophy of Immanuel Kant. The major part of the term will be devoted to a reading of the Critique of Pure Reason. We shall also read the Critique of Practical Reason and the First Introduction to the Critique of Judgment. Mr. Bates, Ms. Baker.

PA 410 WITTGENSTEIN. Spring. New Course. This seminar will consist of a careful reading of the most important early work of Ludwig Wittgenstein, his Tractatus Logico-Philosophicus and the most important of his later works, the Philosophical Investigations. Wittgenstein's influence in contemporary philosophy will be discussed and assessed. Ms. Baker , Mr. Bates.

PA 500 RESEARCH IN PHILOSOPHY. Fall, Spring.

PA 704 SENIOR SEMINAR: CONTEMPORARY PHILOSOPHY. Deleted.

PHYSICAL EDUCATION AND ATHLETICS

Program description: Replace the first two sentences of paragraph 4 with: The Physical Education Program may be completed at any time or by any of the above options convenient to the student during his/her four years at Middlebury with the following exceptions:

1. Exemption tests and pool tests may not be taken after the sophomore year without payment of a $25.00 fine for each test attempted.
2. The above tests must be taken during the scheduled testing periods indicated below.
3. The above regulations will be effective as of September, 1982, following completion of the Fall Testing Period.

Replace the final five paragraphs with;

REGISTRATION DATES	SEASON	SEASON DATES
September 6, 7, 8	Fall	Sept. 13-Oct. 23, 1982
October 13, 14, 15	Winter I	Oct. 25-Dec. 4, 1982
November 29, 30, & December 1	Winter Program Term	Jan. 3-Jan. 28, 1983
February 7, 8, 9	Winter II	Feb. 14-Mar. 26, 1983
March 15, 16, 17	Spring	Apr. 4-May 7, 1983

Exemption Periods and Tests: Advance sign-ups for test appointments are recommended and and requested. Please note further information above regarding a $25.00 fine for each test taken after the sophomore year. Please sign up at the Field House Office from 9:00 - 12:00 or 1:00 - 4:00 unless otherwise stated.

Fall Tests (September 6, 7, 8 and 9)- Sign-up dates are September 2, 3, 6, 7: Archery, Badminton, Bowling (Test Fee $.90), Dance, Golf, Platform Tennis or Racketball, Squash, Swimming, Tennis and the Pool Test.

Winter Tests (February 7, 8, 9 and 10)- Sign-up dates are January 18, 19, 20, and February 7: Alpine Skiing, Badminton, Bowling (Test Fee $.90), Dance, Ice Skating or Ice Figure Skating, Platform Tennis or Racketball, Squash, Swimming, Ski Touring, Tennis.

PHYSICS

Professor: Robert Gould. Associate Professors: P. Frank Winkler (chairman), Richard Wolfson. Assistant Professor: Robert Prigo.

*PH 101 THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT. Spring.

PH 109 MECHANICS AND THERMODYNAMICS. Fall.

PH 110 ELECTRICITY AND MAGNETISM. Spring.

PH 145 ELECTRONICS FOR THE INTIMIDATED. Spring.

NS 150 ENVIRONMENTAL SCIENCE. See Division of Natural Sciences for description.

*PH 155 AN INTRODUCTION TO THE UNIVERSE. Fall.

PH 201 MODERN PHYSICS I. Fall.

PH 202 MODERN PHYSICS II. Spring.

PH 212 METHODS OF THEORETICAL PHYSICS. Spring. Mr. Winkler.

PH 221 ELECTRONICS FOR SCIENTISTS. Fall.

(PH 230 INTERMEDIATE MECHANICS)

(PH 250 STATISTICAL MECHANICS)

(PH 266 CONTEMPORARY ASTRONOMY AND ASTROPHYSICS)

PH 302 ELECTROMAGNETIC WAVES. Fall.

PH 320 FLUID DYNAMICS AND PLASMA PHYSICS. Spring. New Course. Fluids, with their ability to change shape in response to external and internal forces, are involved in most of the action in the universe. A description of fluid matter is vital in understanding why the sun shines, the wind blows, the continents drift, life lives, airplanes fly, fusion reactors don't work, and sound propagates. This course will consider first the classical description of liquids and gases, stressing both the mathematical foundation and applications to such diverse fields as meteorology, oceanography, and aerodynamics. A study of wave propagation in fluids will provide an introduction to the science of acoustics. In the second half of the course the equations of fluid dynamics will be joined with Maxwell's equations to provide a magnetohydrodynamic description of plasma - the fourth state of matter in which 99% of the universe exists. Topics considered will include plasma confinement, stability, and wave propagation in plasma. Application to astrophysical plasmas and laboratory devices including fusion reactors will be considered. (PH 302.) 3 hrs. lect. Mr. Gould, Mr. Wolfson.

PH 401 INTRODUCTION TO QUANTUM MECHANICS. Spring. New Prerequisites. (PH 202, PH 212.)

PH 405 NUCLEAR AND PARTICLE PHYSICS. Fall. New Course. The course will begin with a general introduction to the nucleus, its constituents, the strong force and binding energies. Important symmetry properties of nuclear systems and conserved quantities in nuclear interactions will also be included in the introduction. We will then discuss nuclear states (ground and excited states), natural transitions (α, β, γ decays) and artifical transitions (nuclear reactions, fission and fusion). We will then take a look at some good but far from perfect models of the nucleus - the liquid drop, shell and collective models. We will end our discussion of the nuclear physics with a closer look at the strong force in pn and nn systems and outline the meson theory of the strong force. This will lead naturally into discussions of the so called "fundamental particles", their numbers, properties, classifications and interactions. We will also outline the conservation laws, invariance and symmetry groups associated with these particles, including the quark model with flavor, color and charm. The recent "new particles" will also be discussed. (PH 401 or permission.) 3 hrs. lect. Mr. Prigo.

PH 500 RESEARCH AND SPECIAL TOPICS. Fall, Spring.

PH 705 INDEPENDENT STUDY AND GENERAL EXAMINATION. Fall, Winter, Spring.

PH 750 SENIOR THESIS (ENVIRONMENTAL STUDIES). Fall, Winter, Spring. New Course. Same as PH 705, with added environmental seminar; see Environmental Studies program for description.

POLITICAL SCIENCE

Professors: Murray Dry (chairman), Russell Leng, Paul Nelson, Olin Robison. Associate Professor: David Rosenberg. Assistant Professor: Eric Davis. Instructor: Michael Kraus (on leave). Visiting Instructor: Anne Sa'adah.

*PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall.

PS 102 THE AMERICAN POLITICAL REGIME. Spring.

PS 103 INTRODUCTION TO COMPARATIVE POLITICS. Spring. New Description. This course will introduce students to both the substance and the vocabulary of comparative political analysis. Through concrete examples, we will look at the two major types of developed political system: pluralist and totalitarian: we will also examine the political options of developing countries. Most of the term will be spent learning about politics in the United States, the United Kingdom, the Soviet Union, India and the People's Republic of China. What are the stakes of politics? How is political competition organized? Who participates? Who benefits? What are the overall results? Are non-pluralist systems inherently unstable? Once we have gained some familiarity with different political experiences of the different countries, we will briefly consider various approaches to comparative political analysis. Ms. Sa'adah.

PS 104 INTRODUCTION TO AMERICAN POLITICAL PROCESSES. Fall. New Prerequisites. (Freshman and sophomores or permission.)

*PS 107 POLITICS AND THE STUDIES OF POLITICS. Spring.

Political Theory

*PS 101 (See above)

*PS 107 (See above)

PS 200 THEORY AND METHOD OF POLITICAL ANALYSIS. Spring. New Title.

PS 317 CLASSICAL POLITICAL PHILOSOPHY. Fall.

PS 318 POLITICAL PHILOSOPHY: MODERNITY. Spring.

(PS 401 SEMINAR ON POLITICAL PHILOSOPHY: LIBERALISM AND MARXISM)

PS 409 SEMINAR ON POLITICAL PHILOSOPHY. Fall.

American Political Institutions

PS 102 (See above)

PS 104 (See above)

PS 208 THE POLITICS OF THE U.S. CONGRESS. Spring.

PS 305 AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM. Fall. New Description. Drawing mainly on Supreme Court decisions from separate reprints and Gerald Gunther's casebook, and also on interpretive books and essays, this course studies the Marshall Court, the Taney Court, the Civil War cases, the pre-and post-1937 Court, and the Warren and Burger Courts. The earlier cases focus on governmental powers in a federal system; the recent cases focus on the equal protection clause of the Fourteenth Amendment. A Mock Court case is anticipated. (Open to juniors and seniors with PS 102.) Mr. Dry.

(*PS 306 AMERICAN CONSTITUTIONAL LAW: INDIVIDUAL RIGHTS)

PS 310 POLITICAL PARTIES AND INTEREST GROUPS IN AMERICA. Deleted. See PS 410.

(PS 312 THE POLITICS OF THE FEDERAL BUREAUCRACY)

PS 314 THE POLITICS OF AMERICAN AREAS. Spring. New Course. Most Americans live in cities or in their surrounding suburban areas. In this course, we will discuss a number of topics related to the politics of cities and metropolitan areas. We will begin with an historical analysis of the development of the political system in the city. In this section of the course, we will pay particular attention to the rise and decline of the urban political party machine. Next, we will look at patterns of political power in the contemporary city. Are"pluralist," "elite theory," or other models of community power most appropriate as explanations of city politics? We will then turn to a discussion of intergovernmental relations, or how the cities and suburbs must operate within a political environment in which many important decisions are made at the federal and state levels. In this part of the course, we will consider the financial crisis of Northeastern cities, and some of the explanations for this crisis, as well as the ability of cities to implement federal programs in ways intended by the supporters of those programs in Washington. The last section of the course will deal with some of the important policy issues facing the contemporary city--issues such as education, crime, race, housing, etc., and with alternative proposals for responding to these issues which have been put forward. Mr. Davis.

PS 402 SEMINAR IN CONSTITUTIONAL LAW: LIBERALISM AND CONSTITUTIONALISM. Spring.

PS 410 SEMINAR ON POLITICAL PARTIES AND INTEREST GROUPS IN AMERICA. Fall. New Course. The seminar will begin with an analysis of the concept of the political party, especially its role as one of the important institutions linking citizens and their governments. How do political parties perform the function of representation? Then, we will engage in an historical analysis of the American political parties--the party "systems" that have been identified over the course of the past 200 years. This historical analysis will condition our discussion of whether the contemporary party system is going through a "realignment." Next, we will discuss the role of political parties in structuring election outcomes, particularly Presidential election outcomes, and how that role has been changing as a result of the party "reforms" adopted in recent years. We will then turn to an analysis of American interest group politics, beginning with the theoretical issues of why individuals join interest groups at all, and whether an "iron law of oligarchy" characterizes the internal power structure of these groups. Last, we will look at the functions performed by interest groups, and how these functions are changing in an era in which political parties are in decline. (Permission.) Mr. Davis.

(PS 425 SEMINAR ON THE AMERICAN PRESIDENCY)

Comparative Politics

PS 103 (See above)

PS 210 THE POLITICS OF MODERNIZATION IN THE THIRD WORLD. Fall. New Course. This course studies how traditional peasant societies are transformed into modernizing nation-states. Four basic problems of political development are considered: 1) the creation of a common national indentity, 2) the development of effective instruments of power, 3) the establishment of legitimate authority, and 4) the production and distribution of goods and services. The lectures will explain the major ideologies and strategies used to solve these problems. Each student is asked to select one country in Africa, Asia or Latin America and make periodic reports on how it attempts to solve these basic problems of development. Mr. Rosenberg.

PS 220 ASIAN POLITICS. Spring.

PS 225 COMPARATIVE POLITICS: WESTERN EUROPE. Fall.

(PS 227 SOVIET POLITICS)

(PS 326 COMPARATIVE FOREIGN POLICY)

(PS 328 COMPARATIVE COMMUNISM)

PS 404 THE GLOBAL POLITICAL ECONOMY. Fall. New Title and Description. This seminar seeks to provide students with an understanding of the basic strategies and techniques of national development and their relationship to the global political economy. Students will examine specific country studies to determine their objectives for modernization, the ideologies and methods used to mobilize support and to suppress dissent, and the distribution of the costs and benefits of economic growth and social welfare. Mr. Rosenberg.

PS 406 SEMINAR: POLITICS AND SOCIETY IN CONTEMPORARY FRANCE. Spring.

International Relations and Foreign Policy
PS 201 INTERNATIONAL POLITICS. Fall, Spring.

(PS 202 CONTEMPORARY INTERNATIONAL RELATIONS)

PS 311 AMERICAN FOREIGN POLICY. Fall.

PS 405 SEMINAR ON THE CAUSES OF WAR. Fall. New Description. A theoretical investigation of the causes of war, drawing on several disciplines, including ethnology, social psychology, economics, and history, as well as political science. Particular emphasis will be placed on comparative quantitative studies. Students are required to complete original research projects. (PS 201 or PS 311, and PS 200 or its equivalent.) Mr. Leng.

(PS 408 SEMINAR ON UNITED STATES-SOVIET RELATIONS)

PS 412 SEMINAR ON DIPLOMACY. Spring. New Description. An overview of the development of modern diplomacy, problems faced by contemporary diplomatists, and some of the newer approaches employed by scholars in attempting to understand the dynamics of inter-nation bargaining. Each year a different aspect of diplomacy, e.g., peace settlements, crisis bargaining, is chosen to provide a focus for student research. (PS 201 or permission.) Mr. Leng.

PS 417 SEMINAR ON DOMESTIC POLITICS AND AMERICAN FOREIGN POLICY. Deleted.

Independent Projects
PS 500 ADVANCED PROJECTS
PS 700 HONORS

PSYCHOLOGY

Professors: A. Hunt Ewell, David Prouty (chairman). Assistant Professors: Bob Osborne, Marc Riess.

Under Joint Major in Biology and Psychology, change the first sentence to read: For students interested in this joint major the requirements are: BI 125 and five electives in Biology.

PY 105 INTRODUCTION TO PSYCHOLOGICAL THOUGHT. Fall, Spring. New Description. This course is intended as a general introduction to the kinds of questions psychologists ask and their methods for seeking answers. We will examine several specfic areas of research and theory: social/personality, cognitive processes, abnormal behavior, and brain-behavior relations. The intent is not to cover all of psychology but to convey a sense of the general field through an examination of specific topics. The course will be team taught. (Not open to juniors or seniors.) Staff.

PY 201 LOGIC OF STATISTICAL ANALYSIS. Fall. New Description. This course emphasizes a conceptual approach to the problems of introductory statistical analysis. Topics include descriptive statistics through multivariate correlation, and techniques of inference through chi-square and simple analysis of variance. Some arithmetic is required but it seeks to elucidate principle rather than to process large batches of data. (Open to freshmen and sophomores with PY 105 or permission. Upperclassmen must have permission.) 3 hrs. lect., lab. Mr. Ewell.

PY 202 THE RESEARCH REPORT. Spring. New Title and Description. The major emphasis in this course is on the procedures of writing up and reporting the outcomes of psychological research. The procedures are discussed in the context of several problems in the psychophysics of visual brightness that the students themselves explore as part of their laboratory work in the course. (PY 201 or permission.) 3 hrs. lect, lab. Mr. Ewell.

PY 203 SOCIAL BEHAVIOR. Fall. New Description. This lecture-style course will provide a comprehensive introduction to the discipline of social psychology from a psychological perspective (i.e., a focus on the individual). Theory, research, and application concerning the following topics will be considered: impression formation, selfpresentation, verbal and nonverbal communication, environmental psychology, affiliation, interpersonal attraction, helping behavior, aggression, group dynamics, attitudes, prejudice, and social influence. (PY 105.) Mr. Riess.

PY 204 PERSONALITY PSYCHOLOGY. Spring. New Description. This lecture course provides an in-depth overview of the field of personality psychology. Several classical theories of personality including: (1) Freud's Psychoanalytic Theory, (2) Jung's Analytical Theory, (3) Sullivan's Interpersonal Theory, and (4) Rogers' Humanistic Theory will be discussed. Then the conceptual analysis and measurement of individual-difference variables such as intelligence, self-concept, manifest anxiety, need for achievement, fear of success, androgyny, and authoritarianism will be considered. (PY 105.) Mr. Riess.

PY 207 CONDITIONING AND LEARNING. Spring.

PY 208 MEMORY AND CONCEPTUAL PROCESSES. Fall.

PY 225 CHILD PSYCHOLOGY. Spring.

PY 301 PHYSIOLOGICAL PSYCHOLOGY. Fall.

(PY 305 COGNITIVE DEVELOPMENT) Offered in spring term 1983-84.

PY 306 THE EXCEPTIONAL CHILD. Spring. New Course. Exceptional children are all those children we single out by a prefix or label. Whether the label is "retarded", "blind", "learning disabled", or any of the supply of terms psychologists, educators, and others have developed, it marks children as exceptions to some theoretical norm. This course will consider the problem inherent in defining and using categories of exceptionality. Attention will be given to communication and sensory handicaps, dysfunctions and disabilities with organic bases, subtle handicapping conditions such as specific language disability, and both extremes of intellectual ability. (PY 225.) Mr. Prouty.

PY 314 RESEARCH IN SOCIAL AND PERSONALITY PSYCHOLOGY. Spring.

PY 325 ABNORMAL PSYCHOLOGY. Fall.

PY 350 DIRECTED RESEARCH IN PSYCHOLOGY. Fall, Spring.

PY 411 CONTEMPORARY ISSUES. Fall. New Description. This course will consider some of the major historical figures and conceptual frameworks that have shaped the present psychological scene. We will examine the continuing influence of Freud and Skinner, the reemergence of mind, and the challenge of Carl Rogers and the "third force". We will examine contemporary approaches for traces of the past and the possibility of the emergence of new paradigms and directions. The attempt is to see psychology as both a science and as a human endeavor. (Senior psychology majors, or permission.) Mr. Prouty.

(PY 415 SELF-PRESENTATION) Offered in fall term 1983-84.

(PY 416 LIMBIC SYSTEM) Offered in spring term 1983-84.

PY 417 PHYSIOLOGICAL BASIS OF LEARNING AND MEMORY. Spring. New Description. This seminar course deals with attempts to uncover the underlying physiological changes that enable the individual to benefit from experience. Following an introduction to ethological and experimental approaches to learning, the strengths and weaknesses of various physiological approaches will be examined. Traditional lesions, biochemical and stimulation studies will be covered, but emphasis will be placed on plasticity in model systems and simple systems. (PY 301 or permission.) Mr. Osborne.

PY 421 NONVERBAL BEHAVIOR AND COMMUNICATION. Fall. New Description. This seminar course will provide a comprehensive coverage of the theories, research, controversies, and applications (e.g., to psychotherapy) in the field of nonverbal behavior. Each channel of nonverbal behavior will be considered. These include: (a) kinesics -- e.g., body language, facial expressions; (b) proxemics -- e.g., personal space, territoriality; (c) touching; (d) vocalics -- e.g., pitch, loudness, accents; (e) physical appearance; (f) time; and (g) environmental objects -- e.g., architecture and design. Then the functions of nonverbal behavior in human interaction, such as first impression creation, emotional displays, self-presentation, and deception, will be considered. (PY 201 or some other course in quantitative research methodology -- e.g., SA 301, NS 106.) Mr. Riess.

PY 426 PSYCHOANALYSIS. Spring.

PY 500 ADVANCED RESEARCH. Fall, Spring.

PY 703 HONORS CANDICACY. Spring.

RELIGION

Professors: Robert Ferm (chairman), Charles Scott. Associate Professor: Steven Rockefeller. Assistant Professor: Donald Lopez. Visiting Instrutor: Steven Kepnes.

Introductory Courses

*RE 105 AN INTRODUCTION TO THE ENGLISH BIBLE. Spring.

*RE 110 INTRODUCTION TO WESTERN RELIGIOUS LIFE AND THOUGHT. Spring.

*RE 115 INTRODUCTION TO EASTERN RELIGIOUS LIFE AND THOUGHT. Fall.

RE 204 THE JEWISH, CHRISTIAN AND ISLAMIC TRADITIONS. Spring.

RE 209 THE HINDU TRADITION. Spring. New Description. The development of the Hindu tradition from the Indus Valley civilization (c. 2500 B.C.) to the struggle for independence from Britain led by Gandhi in the early decades of the twentieth century. The course will concentrate on the texts and thinkers which define the multifarious religious phenomenon called Hinduism, paying special attention to the Upanishads, the Bhagavadgita, classical Hindu philosophy, and protestant movements wihtin the tradition. Mr. Lopez.

RE 210 THE BUDDHIST TRADITION: INDIA AND TIBET. Fall. New Description. An introduction to the history of Buddhist thought and practice in India and Tibet. The course is designed for both the student with no background in Indian religion as well as for the student interested in exploring the Buddhist tradition at a more advanced and specialized level. The course will deal with such basic topics as the life of the Buddha and the Four Noble Truths as well as the more advanced topics of Madhyamika philosophy, Buddhist tantra, the nature of ignorance and wisdom, and the structure of the Hinayana and Mahayana paths. Mr. Lopez.

(RE 211 THE BUDDHIST TRADITION: CHINA AND JAPAN) New Course. Not offered in 1982-83.

RE 215 SHINTO: JAPANESE INDIGENOUS RELIGIOUS BELIEFS. Fall.

*RE 220 THE SHAPING OF AMERICAN RELIGIOUS LIFE. Fall.

RE 280 STUDIES IN THE OLD TESTAMENT. Fall. New Description. The intensive reading of portions of the Old Testament with emphasis on such themes as Creation, Alienation, Exile, and Redemption. In this context the critical methods of biblical scholarship will be demonstrated. Mr. Scott.

(RE 281 STUDIES IN THE NEW TESTAMENT)

RE 301 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE NINETEENTH CENTURY. Fall. New Description. Comparative studies in the writings of selected 19th century Christian thinkers including Schleiermacher, Feuerbach, Kierkegaard, James, Emerson and Cardinal Newman, with a primary emphasis on interpretations of the idea of God, the nature of religious experience, and what it means to be a religious person and to lead a religious life. (Permission.) Mr. Kepnes.

RE 302 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE TWENTIETH CENTURY. Spring. New Description. This course aims to present the pluralism in contemporary Christian theology by reviewing major Protestant and Catholic positions and presenting challenges to these positions in feminist and third world theologies. Readings will be taken from Dewey, Niebuhr, Tillich, Kung, Tracy, Ruether and Gutierrez. (Permission.) Mr. Kepnes.

(RE 303 THEORIES OF RELIGION)

RE 304 MODERN JEWISH THOUGHT. Fall. New Course. A study of major trends in 19th and 20th Century Jewish thought from the waning of Jewish mysticism in late Hasidism through Jewish reform and existentialism to contemporary holocaust theology. Attention will be given to the way in which traditional Jewish themes of law and narrative, ethics and messianism are reinterpreted in the modern age. Readings will be taken from the works of Nahman of Bratslav, Hermann Cohen, Leo Baeck, Martin Buber, Franz Rosenzweig, Elie Wiesel, and Emil Fackenheim. (Permission.) Mr. Kepnes.

(RE 305 CONTEMPORARY SOCIAL ETHICS)

RE 306 THE PURITAN TRADITION IN AMERICA. Fall.

RE 308 SEMINAR IN AMERICAN RELIGIOUS HISTORY. Spring. New Description. Topic for 1982-83: The relation of church and state in American history from the seventeenth century to the present, with particular attention given to recent constitutional issues and court decisions. (Permission.) Mr. Ferm.

RE 310 SEMINAR IN BIBLICAL THEOLOGY. Fall. New Description. The late Swiss theologian Karl Barth is regarded by many as the most important Christian thinker of the 20th century. Although his roots were nourished in the soil of 19th century Protestant liberalism, Barth became during World War I and thereafter a radical critic of its assumptions and as such the founder of "neo-orthodoxy". The seminar, after a brief review of major emphases in 19th century theology, will focus on Barth's thought as represented in some of his shorter works. (Permission.) Mr. Scott.

(RE 311 BUDDHIST PHILOSOPHY)

RE 312 BUDDHIST AND CHRISTIAN ENLIGHTENMENT. Fall. New Description. A comparative study of the nature and significance of mysticism with special emphasis on Zen Buddhism and Christianity and on the relation between mysticism and the ethical life; readings drawn from the writings of the mystics and from modern studies of mysticism by philosophers and psychologists. (Permission.) Mr. Rockefeller.

RE 335 PSYCHOLOGY AND RELIGION. Spring. New Description. A study of the relation of Psychology and Religion, focusing on the writings of Freud, Jung, Fowler, Erikson, Ricouer, and Rieff. Particular attention will be given to the use of symbol and story in psychological theory and religious discourse. (Permission.) Mr. Kepnes.

RE 340 SEMINAR IN THE HISTORY OF RELIGIONS. Spring. New Description. The topic for the seminar is death in Eastern and Western thought. The course will explore the phenomenon of death and its meaning in the religious and philosophical traditions of Asia and the West. The course will follow a chronological sequence, beginning with antiquity where the Epic of Gilgamesh, Plato, and Seneca will be read. From there, the confrontation with death in the great religions will be analyzed ending with contemporary articulations of the problem of death in the works of Feuerbach, Tolstoy, Freud, and Sartre. (Permission.) Mr. Lopez.

RE 500 INDEPENDENT RESEARCH. Fall, Spring.

RE 700 SENIOR RESEARCH FOR HONORS CANDIDATES. Fall and Winter, or Winter and Spring.

(RE 702 SENIOR SEMINAR)

Cognate courses for the 1982-83 academic year remain the same. All have been removed from brackets.

RUSSIAN

Professor: Robert Baker. Associate Professor: Thomas Beyer (chairman). Assistant Professor: Jane Miller. Instructors: Georgette Demes, Franklin Sciacca. Lecturer: Alexandra Baker.

Major program: Replace the first four paragraphs and the first sentence of paragraph 5 with the following: The following courses taught in English by the Department of Russian are open to majors in other departments: *RU 151, Russian Literature's Golden Age; *RU 152, Revolutionary Literature in a Revolutionary Society: Russian Modernism; RU 351, Dostoevsky; RU 352, Tolstoy; RU 354, Chekhov; RU 356, Russian Literature of the 60's and 70's.

Formal admission to the major program is attained through satisfactory grades in RU 151, RU 152, RU 201 and RU 202 or through satisfactory scores on a qualifying examination. The qualifying examination will cover all language skills and a general knowledge of Russian literature and culture from its beginnings to the present.

Students of Beginner's Russian will take a continuation course during Winter Term. Prospective majors are strongly urged to take an intensive Russian course duirng the winter term following RU 201. Normally a major program will consist of the following courses following the qualifying courses listed above: RU 301, RU 302, RU 311, RU 321 and three other courses including RU 704, Senior Seminar.

RU 101 BEGINNER'S RUSSIAN. Fall.

RU 102 BEGINNER'S RUSSIAN. Spring. Mr. Beyer and Staff.

RU 104 RUSSIAN FOR READING. Spring.

*RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880) (PISTOLS, POETS, PRISONERS AND PROSTITUTES) (IN ENGLISH). Fall. Mr. Beyer, Ms. Demes.

*RU 152 REVOLUTIONARY LITERATURE IN A REVOLUTIONARY SOCIETY: RUSSIAN MODERNISM (1880-PRESENT) (IN ENGLISH). Spring. Mr. Beyer, Ms. Demes.

RU 201 INTERMEDIATE RUSSIAN. Fall. Mrs. Baker, Ms. Miller.

RU 202 INTERMEDIATE RUSSIAN. Spring. Mrs. Baker, Ms. Miller.

RU 301 RUSSIAN CONVERSATION AND COMPOSITION. Fall.

RU 302 RUSSIAN CONVERSATION AND COMPOSITION. Spring.

RU 311 MASTERPIECES OF RUSSIAN LITERATURE. Spring. Ms. Miller.

RU 314 RUSSIAN POETRY. Deleted.

RU 321 SOVIET MAN AND HIS WORLD. Fall. Ms. Miller.

RU 351 DOSTOEVSKY (IN ENGLISH). Fall. New Description. Classroom discussion of the major novels of Russia's most misunderstood genius. Brief lectures will attempt to define for a Western reader the uniquely Russian experiences of Dostoevsky. No knowledge of Russian is required. Ms. Miller.

(RU 352 TOLSTOY (IN ENGLISH))

(RU 354 CHEKHOV (IN ENGLISH))

RU 356 RUSSIAN LITERATURE OF THE 60'S AND 70'S. Spring. New Course. Russian writers of the 60's and 70's have shown themselves to be part of a world which includes Joyce, Nabokov, and Eliot as well as the Russian classics--Pushkin, Tolstoy, Dostoevsky. This course will examine the "new" Russian literature of the last fifteen years--some of it published in the USSR, some of it available only in the West--by writers on both sides of the border. Works by Solzhenitsyn, Brodsky, Aksyonov, Trifonov, Iskander, Rasputin and others. No knowledge of Russian required. Ms. Miller.

(RU 401 ADVANCED LANGUAGE STUDY)

(RU 402 ADVANCED LANGUAGE STUDY)

(RU 411 SEMINAR: PUSHKIN)

RU 421 THE RUSSIAN REVOLUTION AND THE ARTS. Deleted.

RU 500 ADVANCED STUDIES IN LANGUAGE AND LITERATURE. Fall, Spring.

RU 700 SENIOR INDEPENDENT STUDY PROJECT. Fall, Spring.

RU 704 SENIOR SEMINAR. Fall, Spring.

SOCIOLOGY/ANTHROPOLOGY

Professors: David Andrews (chairman), Rudolf Haerle. Assistant Professors: Kitty Calavita, James McGough, Margaret Nelson.

Introductory Courses

SA 103 SELECTED TOPICS IN SOCIO-CULTURAL ANTHROPOLOGY. Spring.

*SA 105 SOCIAL MAN AND SOCIAL ORDER: ISSUES IN FREEDOM AND CONSTRAINT. Fall, Spring.

SA 190 THE EVOLUTION OF MAN AND PREHISTORIC CULTURES. Fall.

Theory and Method

SA 205 TOPICS IN SOCIAL THOUGHT--STABILITY AND CHANGE. Fall.

SA 206 ARCHAEOLOGICAL THEORY AND METHOD. Deleted.

SA 301 THE RESEARCH PROCESS--SOCIOLOGY. Spring.

SA 302 THE RESEARCH PROCESS--ANTHROPOLOGY. Fall. Mr. McGough, Mr. Andrews.

Social Organization and Comparative Institutions

SA 315 SOCIOLOGY OF EDUCATION. Spring.

(SA 316 THE SOCIOLOGY OF YOUTH)

(SA 337 POLITICAL SOCIOLOGY)

SA 345 WORK, LEISURE AND SPORT. Spring. New Description. Major focus on work as a social and organizational phenomenon from two complementary points of view: 1) the sociology of occupations and professions, stressing careers, the process of professionalization and autonomy vs. bureaucratic structure and 2) industrial sociology, with emphasis on alienation and the conflict of formal and informal structures. Implications of change in the meaning and organization of work for problems of leisure and sport. (SA 105 or permission.) Mr. Haerle.

SA 370 SOCIOLOGY OF INEQUALITY. Fall. Ms. Calavita.

SA 380 THE ANTHROPOLOGY OF RELIGION. Fall. New Description. Social and cultural analyses of religion in human life. Religions in various societies will be considered, with a view to illuminating the nature of symbols, symbolic systems, the roles of religious specialists (shamans, priests, and prophets), and the place of religion in the society and culture at large. The emphasis in case studies will be on Asia. (SA 103 or permission.) Mr. McGough.

(SA 385 MEDICAL SOCIOLOGY)

SA 387 SOCIOLOGY OF LAW. Spring. New Description. An examination of the social, economic, and political factors affecting law creation, interpretation, and enforcement. Dominant theories of legal development will be analyzed and critiqued, and possible alternative theories will be explored. Specific cases of law creation and its application will be traced in some detail in this search for more adequate explanations of the role of law in given historical contexts. Ms. Calavita.

SA 390 THE SOCIOLOGY OF WOMEN. Fall.

SA 391 ADVANCED TOPICS IN THE SOCIOLOGY OF WOMEN. Spring. New Description. This course will begin with an in-depth examination of feminist theories both old (e.g., Gilman, Wollstonecraft, Fuller) and new (e.g., de Beauvoir, Mitchell, Rowbotham). We will then try to apply these ideas to selected topics in the role of women in contemporary American society: women and law, employment, education and the family. (The final selection of topics is open to negotiation.) This course assumes a familiarity with the history of women in the United States. (SA 390.) Ms. Nelson.

Area Studies

(SA 321 NATIVE PEOPLES OF NORTH AMERICA)

SA 322 NATIVE PEOPLES OF SOUTH AMERICA. Spring. An examination of the aboriginal peoples of South America, the Caribbean Islands and Central America to the Maya frontier. Major emphasis will be on these peoples at the time of first contact. Special concern will be the methodologicaland theoretical implications of the data. (SA 103 or permission.) Mr. Andrews.

(SA 326 LATIN AMERICAN CULTURE AND SOCIETY)

SA 327 NORTH AMERICAN PREHISTORY. Deleted.

SA 330 PERSPECTIVES OF AMERICAN SOCIETY AND CULTURE. Spring.

SA 335 CHINESE SOCIETY AND CULTURE. Spring.

Social Process and Social Problems

SA 343 AMERICAN COMMUNITY STUDIES. Fall.

SA 344 URBAN SOCIOLOGY. Fall. New Description. An examination of urban development and its effects, historically and cross-culturally. What factors make the concentration of populations in cities possible in the first place? What are the consequences of urbanization, in terms of both broad social processes and individual characteristics? What is the relationship between urbanization and industrialization? How are cities in advanced industrial societies different from those in third world countries? How is power distributed in American urban communities? What are the origins, symptoms, and proposed solutions to the American "urban crisis"? Emphasis will be placed on the interrelationships among technology, social and economic structure and urban form. Ms. Calavita.

SA 348 IMAGES OF SOCIETY: AN INTRODUCTION TO VISUAL SOCIOLOGY. Deleted.

(SA 351 PSYCHOLOGICAL ANTHROPOLOGY)

SA 352 SOCIAL PSYCHOLOGY. Spring. New Description. A consideration of the interrelationships between the individual and society. In particular, the course will examine the specific mechanisms that bind the individual to society; the societal factors which influence the formation of character or personality; and the implications social character has for social change and/or stability. Ms. Calavita.

SA 354 ETHNIC GROUPS IN THE UNITED STATES. Fall.

(SA 360 BUREAUCRACY AND AUTHORITY)

SA 388 DEVIANCE. Fall. New Description. This course will examine and critique the various theories regarding psychological, biological and/or social causes of deviant and criminal behavior. Specific forms of "deviance" to be examined from these theoretical perpectives include: deviant subcultures, juvenile delinquency, mental illness, white-collar crime, corporate crime, wife-beating and rape. To be considered also are the social, economic and political determinants of law creation and enforcement. Emphasis will be placed on the ways deviance theories are tied to more general theories of society. Ms. Calavita.

(SA 495-496 SEMINAR IN SOCIOLOGY-ANTHROPOLOGY)

SA 500 ADVANCED INDIVIDUAL STUDY. Fall, Spring.

Senior Program
SA 700 SENIOR ESSAY. Fall.

SA 710 SENIOR THESIS. Fall, Winter.

SPANISH/ITALIAN

Associate Professor: Roberto Véguez. Assistant Professors: Alicia Andreu, René Prieto (on leave), Ugo Skubikowski, David George (chairman). Visiting Instructor: Mark McCaffrey.

SPANISH

Program copy: Change sentence 3 of paragraph 2 to read: Integrated with the department's offerings are the Middlebury Program for Juniors in Madrid and the Middlebury Summer Language School of Spanish, including intensive courses from the intermediate level.

Under Programs Abroad for Juniors, add the following final sentence: The deadlines for applications are November 15 for the following spring semester and April 15 for the following fall semester or year.

SI 101 INTENSIVE BEGINNING SPANISH. Fall. Replace the final two sentences with: Students wishing to take SI 102 in the spring normally will take a no-credit continuation course during Winter Term which will meet for at least 4 hours a week. Mr. Véguez.

SI 102 CONTINUING SPANISH. Spring. New Description. For students who have successfully completed SI 101 and the Winter term no-credit course, this course emphasizes the control of basic language skills which are then used in reading and discussing short works by modern Spanish and Spanish American authors. Mr. Véguez.

SI 201 INTERMEDIATE SPANISH. Fall, Spring. Ms. Andreu, Mr. McCaffrey.

SI 219 SELF-EXPRESSION IN SPANISH. Fall, Spring. Mr. George.

(SI 220 SPANISH CONVERSATION)

*SI 231 CAPTAINS, KINGS AND CAUDILLOS. Fall. New Course. Heroes and strong men in Hispanic letters have contributed to the sense of identity and community that pervades Spanish-speaking countries and their literary culture. This course will begin with an examination of the geographic, political, historical and anthropological background of caudillismo from the time of Cid to the revolutions of present-day Latin America ; attention will then turn to its literary manifestations. Readings will include theoretical works in the nature of caudillismo and literary works dealing with both Spain and Spanish America, by Machiavelli, Manrique, Lope de Vega, Diaz del Castillo, Sarmiento, Asturias and Paredes. Mr. McCaffrey.

SI 300 AN INTRODUCTION TO THE STUDY OF HISPANIC LITERATURE. Fall, Spring. Ms. Andreu, Mr. McCaffrey.

SI 301 THE HISPANIC TRADITION IN LITERATURE. Fall. New Description. An introduction to the masterworks of Spanish literature from the 18th century to the present. Selections from different genres will be examined for their value as literature and as a reflection of Spanish society in their time. Mr. Véguez.

SI 303 THE HISPANIC TRADITION IN LITERATURE: SPANISH AMERICAN LETTERS FROM THE NINETEENTH CENTURY. Spring. Mr. McCaffrey.

(SI 315 EL ARTE DE LA TRADUCCION: PROBLEMAS Y SOLUCIONES)

(SI 320 INTRODUCTION TO SPANISH CULTURE AND CIVILIZATION)

SI 325 INTRODUCTION TO BRAZIL. Spring. New Description. An examination of modern Brazil in the light of historical influences and sociological and cultural regional difference. Readings will be in Portuguese and will include newspaper and magazine articles, novels and short stories. Given in Portuguese. Mr. George.

(SI 330 LATIN AMERICAN CULTURE)

SI 402 CERVANTES Y EL DON QUIJOTE. Spring. New Description. A detailed discussion and analysis of the Quijote with additional readings from major literary and cultural sources. Some critical interpretations of the work from the 17th century to the present will also be considered. Mr. Véguez.

(SI 407 LA NOVELA ESPANOLA DE POS-GUERRA)

(SI 415 LA COMEDIA ESPANOLA DEL SIGLO DE ORO)

(SI 419 THE CONTEMPORARY SPANISH AMERICAN NOVEL)

(SI 420 VIOLENCIA Y PASION)

SI 435 TALLER DE TEATRO. Fall.

(SI 440 SEMINAR: WOMEN IN HISPANIC LITERATURE)

SI 445 THE SPANISH NOVEL FROM VALERA TO DELIBES. Spring. New Course. Major novels of the 19th and early 20th centuries, studied in themselves and in dialogue with one another. By using the concepts of texts in conversation with each other, we will trace the dialogic relationship between a variety of literary texts and the influence that each text exerts on other texts as each text tries to dominate the act of conversation. We will read Valera, Galdos, Valle Inclan, Cela, LaForet, Ferlosio and Delibes. Ms. Andreu.

SI 500 INDEPENDENT STUDY. Fall, Spring.

SI 700 SENIOR RESEARCH SEMINAR. Fall. The topic for 1982-83 will be: La Narrativa de la conquista de America y sus proyecciones y contemporaneas. Ms. Andreu.

SI 705 SENIOR HONORS THESIS. Spring.

ITALIAN

SI 151 INTENSIVE BEGINNING ITALIAN. Fall. Delete sentence 3 from the course description. Mr. Skubikowski.

SI 152 INTENSIVE BEGINNING ITALIAN. Spring.

SI 251 INTERMEDIATE ITALIAN. Fall.

SI 252 ADVANCED ITALIAN. Spring. Staff.

*SI 290 DANTE (IN ENGLISH). Fall. New Description. An introduction to Dante's major literary works, La Vita Nuova (The New Life) and the Divine Comedy. Close readings of the texts will seek to give students an appreciation of Dante's place in world literature. Dante's masterpieces also will be discussed in a historical and philosophical perspective, and supplementary readings will acquaint the reader with the medieval view of life and literature. Staff.

SI 292 (FROM MEDIEVAL TO HUMANISTIC THOUGHT IN ITALIAN LITERATURE (IN ENGLISH))

SI 350 CONTEMPORARY ITALIAN CULTURE AND CIVILIZATION. Spring.

SI 352 LITERATURE OF THE RENAISSANCE. Fall. New Description. Selected texts from the major writers of the Quattro and Cinquecento, supplemented with readings that give a historical and cultural perspective on the times. The course will concentrate first on humanistic prose writings (Alberti, Pico della Mirandola, Machiavelli, Castiglione), then examine the lyric and epic poetry of Poliziano, Lorenzo il Magnifico, Ariosto and Tasso. 3 hours per week. Staff.

SI 353 (ROMANTIC AND EARLY MODERN ITALIAN LITERATURE)

SI 375 (ITALIAN CINEMA: FROM FICTION TO FILM)

SI 459 MODERN ITALIAN FICTION: THE ROLE OF THE INDIVIDUAL IN ITALIAN NOVELS OF THE TWENTIETH CENTURY. Fall. New Description. An analysis of the role of the individual as it is viewed by four major Italian writers of this century: Pirandello, Svevo, Vittorini and Pavese, through a close reading and a detailed discussion of some of their novels. Four novels will be read in their entirety, together with selections from other works. The course will be conducted mainly through class discussions, but each author will be introduced by one or two formal lectures. Mr. Faustini.

SI 490 DANTE: LA VITA NUOVA AND INFERNO. Spring. New Course. Dante's youthful work, La Vita Nuova, will be seen in its relation to his masterpiece; discussions and readings will seek to place Dante in the context of medieval attitudes toward love. Close reading of the Inferno is intended to familiarize the student with the nuances of Dante's style, as well as to facilitate textual understanding of the first cantica. Mr. Skubikowski.

SI 550 INDEPENDENT STUDY. Fall, Spring.

SI 750 SENIOR SEMINAR. Fall. New Description. The Senior Seminar is intended for seniors with a major or concentration in Italian. There will be advanced readings integrating primary texts with criticism. Other students must receive permission of the instructor to enroll. During the academic year, one course may be designated by the department as carrying Senior Seminar for 1982-83. Those enrolled for Senior Seminar credit will be required to do presentations in class and complete one research project. Staff.

TEACHER EDUCATION

Associate Professor: Richard Dollase (chairman). Lecturers: Joanna Hall, Dori Rockefeller, Betsy Thurber.

In the list of states and areas who recognize a Vermont State teaching certificate, delete Wisconsin and the Panama Canal Zone. Add: Overseas Dependent Schools.

Under Requirements for elementary certification (K-6), change all copy, beginning with 3) to read:

3) A one-term course on the methods and materials of teaching reading, language arts and the social studies at the elementary school level. (TE 205.)
4) A one-term course on the methods and materials of teaching mathematics and science at the elementary school level. (TE 210.)
5) A seminar/workshop or a course on the methods and materials of teaching art and music at the elementary level. (Requirement may be fulfilled by a Winter Term course, a summer school course or by workshops and independent project work in TE 404.)
6) The professional semester:
TE 404 Curriculum Development in Elementary Education. (Attention also will be given to methods and materials of physical education and health instruction.)
TE 405-406-407 Student Teaching in the Elementary School.

Under Requirements for secondary certification (7-12), change 1) to read:

1) A major or its equivalent in a discipline which coincides with a subject taught widely in public secondary schools is necessary for teacher certification. Middlebury College presently recommends students for secondary-level certification in the following areas: Art, English, French, German, Russian, Spanish, Mathematics, Biology, Chemistry, Physics, Earth Science, Social Studies, History and Government. Students who intend to major in disciplines other than the above and who are interested in secondary certification should consult with the Director of Teacher Education as early as possible in their college careers.

To the list of courses which serve to fulfill the Foundations of Education Course Requirement, add: TE 201 CRITICAL ISSUES IN AMERICAN EDUCATION.

TE 200 FOUNDATIONS OF EDUCATION. Fall. New Prerequisites. (This course is no longer limited to students with a concentration in teacher education.) Ms. Rockefeller.

TE 201 CRITICAL ISSUES IN AMERICAN EDUCATION. Fall. New Course. A study of persistent problems and ethical issues in educational practice. Case materials and readings will focus on such issues as moral education, alternative schooling, minimum competency testing, school discipline, censorship, desegregation, children and television, and the rights of teachers, students and the handicapped. Mr. Dollase.

TE 205 METHODS OF TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. Spring. Addition to Description. Add: Methods and materials in the social studies related to reading, writing and critical thinking will also be considered.

TE 210 METHODS OF TEACHING MATHEMATICS AND SCIENCE IN THE ELEMENTARY SCHOOL. Fall. New Description. An examination of the current trends in the content, methods and materials of elementary school mathematics and science. In addition to the three hours of weekly seminars, students are expected to spend two to three hours per week observing in pre-school through elementary school programs in the Middlebury area. Ms. Hall.

TE 220 TEACHING READING AND STUDY SKILLS IN SECONDARY SCHOOL SUBJECTS. Fall. New Description. An introduction to curricular and instructional theory as it relates to the teaching of reading and study skills in the secondary school content areas. In addition to the weekly seminar, students are expected to spend two or more hours per week observing and tutoring in secondary schools in the Middlebury area. Mr. Dollase, Ms. Thurber.

TE 404 CURRICULUM DEVELOPMENT IN ELEMENTARY SCHOOLS. Fall, Spring. Addition to course description. Methods and materials in the teaching of health and physical education will also be considered.

TE 405-406-407 STUDENT TEACHING IN ELEMENTARY EDUCATION. Fall, Spring.

TE 414 PROBLEMS AND METHODS IN SECONDARY EDUCATION. Fall, Spring. Mr. Dollase, Ms. Thurber.

TE 415-416-417 STUDENT TEACHING IN THE SECONDARY SCHOOL. Fall, Spring.

FIELD EXPERIENCE IN TEACHER EDUCATION: THE TEACHER ASSISTANT PROGRAM. WINTER TERM ONLY. Copy remains the same.

THE PROFESSIONAL SEMESTER. Copy remains the same.

THEATRE, DANCE AND FILM

Professors: Ted Perry, Chandler Potter. Associate Professors: Douglas Sprigg, Arthur Sainer. Assistant Professor: Tarin Chaplin.

Major program: Change all introductory copy to the following:

A major in the Department of Theatre, Dance, and Film will choose one of four possible areas of emphasis: 1. Acting/Directing, 2. Design/Production, 3. Dance, 4. Film Studies. All majors will elect the following core courses:

*TH 116 THE CREATIVE PROCESS
TH 102 ACTING I, or TH 214, DIRECTING I (in consultation with advisor)
TH 213 STAGES AND LIGHTING DESIGN, or TH 221, SCENE DESIGN, or TH 218, INTRODUCTION TO PLAYWRITING (in consultation with advisor)
TH 500 JUNIOR INDEPENDENT PROJECT
TH 700 SENIOR INDEPENDENT PROJECT

In addition to this core program, students will elect the designated courses in one area of emphasis.

Acting/Directing Emphasis
TH 102 ACTING I, or TH 214, DIRECTING I
TH 202 ACTING II
TH 240 MOVEMENT INTENTIONALITY
EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN (or one other term of dramatic literature)
EL 321 SHAKESPEARE
TH 306 TWENTIETH CENTURY EXPERIMENTS
TH 326 MODERN DRAMA
Two Production Studios: TH 210/220

Design/Production
TH 213 STAGES AND LIGHTING DESIGN, or TH 221, SCENE DESIGN
AR 101 INTRODUCTION TO ART
AR 209 and 210 STUDIO ART I and II
EL 321 SHAKESPEARE
TH 306 TWENTIETH CENTURY EXPERIMENTS
TH 326 MODERN DRAMA
Two Production Studios: TH 219/229

Dance
TH 216 ANATOMY AND KINESIOLOGY
TH 240 MOVEMENT INTENTIONALITY
TH 335 DANCE HISTORY
MU 109 RUDIMENTS OF MUSICAL LANGUAGE
PA 233 AESTHETICS
AR 101 ART HISTORY
Three semesters of technique above the 200 level: TH 260/61, TH 360/61, TH 370/71.

Film Studies
*TH 117 FILM FORM AND FILM SENSE
TH 217 INDEPENDENT AND PERSONAL CINEMA, or 317 FILM AND MODERNISM IN THE ARTS
TH 207 NON-FICTION FILM
TH 227 CINEMA AFTER WW II, or TH 237 AMERICAN FILM GENRES
TH 327 FILMS OF M. ANTONIONI, or one course on another film director
EL 401 LITERARY CRITICISM, or PA 223 AESTHETICS
AL 420 AMERICAN CULTURE 1941-1961
HI 316 HISTORY OF MODERN EUROPE
AR 101 ART HISTORY

Foundations Course and Freshman Writing Program. Delete this heading and the paragraph under it.

*TH 116 MASTERS AND MASTERWORKS OF THEATRE. See *TH 116 under Departmental Courses below, for new description of this course. N.B. This course remains a Foundations course. It no longer fulfills the freshman writing requirement.

Departmental Courses

Theatre Courses
TH 102 ACTING I. Fall, Spring. Mr. Sprigg, Mr. Bent.

(TH 106 INTRODUCTION TO DRAMA STUDIES)

*TH 116 THE CREATIVE PROCESS: THEATRE, DANCE, FILM. Fall, Spring. New Title and Description. A working examination of the process by which ideas are created and given shape in theatre, dance, and film. The individual creative experience is exploredin terms of working methods and perceptual forms. Lectures, discussions, presentations and readings. Required of all majors in the Department of Theatre, Dance, and Film. Mr. Perry.

TH 202 ACTING II. Spring.

TH 213 STAGES AND LIGHTING DESIGN. Fall.

TH 214 DIRECTING I. Fall.

TH 218 INTRODUCTION TO PLAYWRITING. Fall, Spring. New Description. A workshop in the playwright's relationship to what happens in a theatrical space, how language and movement are the tips of the iceberg. Students will work on a number of short exercises and on two drafts of a short play. Class response to each piece of writing will be a major part of the communal work of the course. (Permission; this course satisfies the freshman writing requirement.) Mr. Sainer.

TH 221 SCENE DESIGN. Spring. New Prerequisites. (TH 116 or TH 306, or permission.)

(TH 224 DIRECTING II)

TH 226 AMERICAN DRAMA. Fall. New Description. The course will explore certain writers and movements in the United States, beginning with Henry James, our most prominent "failure" in theatre. Then: the Yiddish Theatre; O'Neill and the Provincetown Players; the expressionists: Sophie Treadwell, Elmer Rice; The Federal Theatre, including Orson Welles; Odets and the Group Theatre; Pre-World War II writers like Saroyan; post-war writers like Williams, Miller, Lorraine Hansberry, George Tabori and Edward Albee; The beginnings of Off-Off Broadway: The Caffe Cino, La Mama, Theatre Genesis, and writers like Sam Shepard and Irene Fornes. Mr. Sainer.

TH 306 TWENTIETH CENTURY EXPERIMENTS. Spring. New Description. An exploration of radical theatre movements, their social and political implications, and some of the major theoreticians and practitioners beginning with the shift from Stanislavskian realism. Subjects include Meyerhold and the Soviet theatre, the Bauhaus, Appia, Artaud, Brecht, Living Theatre, Open Theatre, Grotowski, Bread and Puppets, San Francisco Mime Troupe, Performance Group, Firehouse Theatre, Peter Brook, Richard Foreman, Mabou Mines. Mr. Sainer.

TH 326 MODERN DRAMA. Spring.

TH 400 THE PLAYWRIGHT IN PRODUCTION. New Title and Description. Goals: to develop new plays by students who already have some background in playwriting, and to mount several productions from plays that are far enough advanced at the very beginning of the semester. Plays will be produced in the fall with student directors. Instructor will function as dramaturg and counselor to the playwright during rehearsals. (Permission.) Mr. Sainer.

TH 500 INTERMEDIATE INDEPENDENT PROJECT. Fall, Spring.

TH 700 SENIOR PROJECT. Fall, Spring.

Production Studios

TH 210 PRODUCTION STUDIO: ACTING/DIRECTING. Fall. New Description. The cast, stage manager, and assistant director work as part of a company intepreting, rehearsing, and performing the play. Those receiving credit can expect to rehearse four to six nights a week. Appropriate written work is required. Normally, auditions for the fall play are held during the first weeks of fall term, auditions for the winter play are held during the last weeks of fall term and auditions for the spring play are held during the first weeks of winter term. Candidates for stage manager and assistant director should apply to the director of the production. (Permission required.) Mr. Sprigg.

TH 219 PRODUCTION STUDIO: DESIGN/PRODUCTION. Fall. New Prerequisites. (Permission required. Normally limited to freshmen, sophomores and juniors.)

TH 220 PRODUCTION STUDIO: ACTING/DIRECTING. Spring. Mr. Sainer.

TH 229 PRODUCTION STUDIO: DESIGN/PRODUCTION. Spring.

Dance Courses

TH 140 INTRODUCTION TO DANCE. Deleted. See TH 160.

TH 141 INTRODUCTION TO DANCE. Deleted. See TH 161.

TH 160 INTRODUCTORY DANCE. Fall, Spring. New Course. An introduction to dance on the beginning level of modern technique, improvisation and composition. Technique stresses alignment, flexibility, strength, coordination and movement vocabulary of the modern idiom. Improvisation is used to explore and learn concepts of space, time, energy and choreography from which beginning composition studies emerge. Basic conceptual aspects of the discipline are also stressed via selected readings, films. (One six-week session of Basic Dance for Physical Education or permission.) Staff.

TH 161 INTRODUCTORY DANCE. Fall, Spring. New Course. Continuation of TH 160. (TH 160 or permission.) Ms. Chaplin.

TH 216 ANATOMY AND KINESIOLOGY. Fall. Staff.

TH 225 DANCE HISTORY. Deleted.

TH 240 MOVEMENT INTENTIONALITY FOR THE STAGE. Fall, Spring. New Course. An investigation of the correlation of movement to character, personality, behavior, emotion, and psychological states. Theoretical and practical understanding of how people move, why they move as they do, and what movement says (non-verbally and subconsciously) will be achieved through readings, exercises, discussions, studio work and special projects, including (but not limited to) basic concepts of Effort/Shape (Rudolph von Laban's system of movement analysis). The material will be specifically geared for application onstage by actors and directors, dancers and choreographers. (one semester of theatre or dance, or permission.) Ms. Chaplin.

TH 260 INTERMEDIATE DANCE. Fall, Spring. New Description. Concentrated intermediate level work in modern dance technique and choreography with exposure to such notable techniques as Graham, Humphrey-Limon, Cunningham, Nikolais. Improvisation is used as a seeding ground for the development of choreography with attention given to form (organic form, climax, theme and variation, motif and development, chance, etc.) and more sophisticated aspects of space, time, energy. Creation and performance of original work is stressed. Films and live viewing serve to extend the daily rigor of the studio experience. A brief but crucial academic component deals with aesthetics-questions and values of paramount importance to the dancer/choreographer as artist. (TH 160 and 161 or permission.) Staff.

TH 261 INTERMEDIATE DANCE. Fall, Spring. New Prerequisites. (TH 260 or permission.)

TH 270 INTERMEDIATE BALLET. Spring. New Course. The classical tradition of ballet is pursued through a combination of studio and academic work. Technique/studio work is at an intermediate level of classical ballet terminology and movement vocabulary. Once a week discussion session is devoted to the historical development of ballet as the foundation of Western classical dance from its court beginnings under Louis XIV through Noverre, Petipa, Fokine, Diaghilev, Nijinsky and on to such current greats as Balanchine, Joffrey, Robbins, Bejart. The dialectic within ballet between romanticism and classicism as a style and philosophy is pursued. Performance participation is expected. (Permission.) Ms. Chaplin.

TH 271 INTERMEDIATE BALLET. Spring. New Course. Continuation of TH 270. (TH 270 or permission.) Staff.

(TH 302 CHOREOGRAPHY)

TH 325 DANCE HISTORY. Spring. New Course. Introductory lectures and readings on the origins of movement in ritual, its meaning, social function, cultural/historical implications, and development as an art form. Concentration is then focused on the emergence of the 20th century modern and post-modern dance via such innovaters as Duncan, Graham, Humphrey, Limon, Cunningham, Nikolais, Louis, Halprin, Pilobolus, Monk, Tharp. Viewing of film and live performance aids in delving into the critic's world as both an historical study and a means to develop the ability to make aesthetic judgments about dance. Ms. Chaplin.

TH 360 ADVANCED DANCE. Fall, Spring. New Description. Daily work in modern dance at an advanced level of technique and choreography. Challenging technical demands work towards refining the body as a finely tuned expressive instrument. Improvisation continues to be used to serve choreographic ends focusing on style, group forms, and more sophisticated use of music and theatrical elements. Substantial choreographing and performance of faculty and student work is expected. Criticism of class, film, and professional work help in developing a critical eye and the emergence of a personal philosophy and dance aesthetic which is formally ariculated. (TH 260 and 261 or permission.) Ms. Chaplin.

TH 361 ADVANCED DANCE. Fall, Spring. New Prerequisites. (TH 360 or permission.)

Film Study Courses

*TH 117 FILM FORM AND FILM SENSE. Fall, Spring. New Description. The study of cinema as an examination of the central questions with which it is concerned: What is cinema? What is the nature of the cinematic experience? How is the nature of cinematic meaning informed by formal properties within the medium? How is cinema informed by issues of politics, society, technology, economics, means of production? Films are screened each week. Lecture, discussions. Readings and research papers required. Mr. Perry.

(TH 207 NON-FICTION FILM). New Course. Not Offered in 1982-83.

(TH 217 INDEPENDENT CINEMA). New Course. Not Offered in 1982-83.

(TH 227 CINEMA AFTER WW II). New Course. Not Offered in 1982-83.

TH 237 AMERICAN FILM GENRES. Fall. New Course. Examples of Western, Horror, Science Fiction, Musical and Gangster/Detective film genres are examined in terms of what they reveal about American attitudes, hopes, and fears. Special attention will be given to those films which reflect notions about the American hero, mission, family, self, frontier, capitalism, democracy. Screenings, readings, reports, and research papers. (TH 117 or permission.) Mr. Perry.

(TH 317 FILM AND MODERNISM IN THE ARTS). New Course. Not Offered in 1982-83.

TH 327 THE FILMS OF M. ANTONIONI. Spring. New Description. The intensive shot-by-shot analysis of eight films made by Antonioni, including Cronaca di un Amore, Il Grido, La notte, Eclipse, Red Desert, Blow Up, Zabriskie Point, The Passenger. Each film is screened once in its entirety, and then studied in detail, as a way of generating an understanding of the meaning of the particular films, how and in what ways this meaning is realized, and, finally, the extent to which each film relates to a larger understanding of the central themes and concerns which pervade all of Antonioni's films. Screenings, lectures, and discussion plus readings and research paper are required. (TH 117 or permission.) Mr. Perry.